

YOUR FINE CHEMICALS SOLUTIONS



CHEMADAについて

Chemada Industriesはファインケミカルのトップメーカーです。
製造の大部分は、相補的な化学技術に支えられた臭素化技術に基づいています。

新製品をキログラム単位から数トン単位にスケールアップしてきた実績があり、製薬、農業、香料、航空宇宙、電子、
その他特殊化学品業界において、信頼のできるグローバルなファインケミカルサプライヤーとして位置づけられています。

ISO9001:2015、ISO14001:2015、ISO45001:2018の認定を受けており、
レスポンシブル・ケア活動にも参加しています。

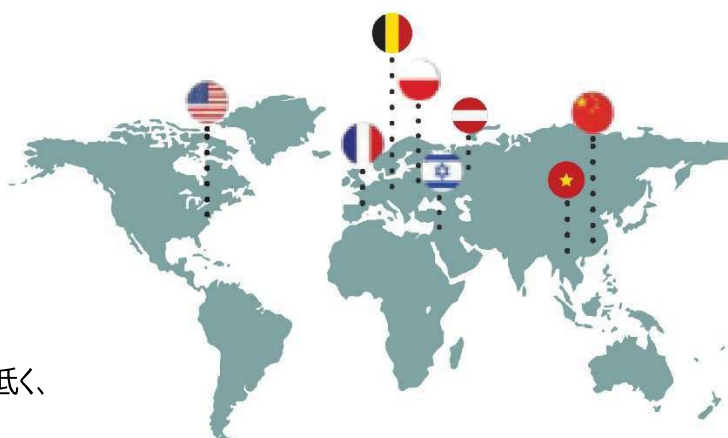
Chemadaは、グローバルな香料・ファインケミカル企業TURPAZ社の傘下の、株式非公開会社です。

当社の強み

- 高品質の製品
- カスタムメイドな仕様
- 認定を受けた最先端の製造拠点
- 高水準の品質保証体制
- 完全自動化の生産プロセス
- 規制要件の遵守
- 強力なサプライチェーン
- 物流拠点(ヨーロッパ、アメリカ、日本)
- カスタムパッケージング

Chemadaの臭素化製品は塩素含有量が極めて低く、
トップクラスの製薬用途で使用されています。
また、高品質な臭素化中間体市場でも好まれています。

 **TURPAZ** AROUND THE WORLD
Fragrances & Flavors



CHEMADAの技術

技術と能力

- Bromination
- Hydrobromination
- Alkylation
- Ketalization
- Cyclization
- Oxidation
- Quaternisation
- Decarboxylation
- Dehydrohalogenation
- Isobutylene
- Etherification
- Ionic Liquids
- 動作温度 -15℃～300℃
- 動作圧力 2mmHg～4Bar
- 融点80℃までの固体用蒸留塔
- ISOタンクを含む柔軟な梱包形態
- 催化材の液体と固体の取り扱い

研究開発

お客様のニーズをサポートする為のニッチな製品開発において、当社の化学者とエンジニアは35年以上の経験と高い能力を持っています。

- 新製品開発
- プロセス開発
- 顧客要求への適合
- ラボスケールから量産スケールまで対応

製造設備

グラスライニング、ステンレス製のリアクター
ガラス製蒸留塔
チタン製、ステンレス製、ガラス製の晶析装置及び真空乾燥機
ハステロイ製のフレーカー

品質管理

下記過程に完全に統合された分析方法の開発：

- 研究開発
- 製造オペレーション
- 廃棄物及び排出物



品質・安全・環境方針

- 私たちの方針は、品質保証、安全、環境システムを実施することにより、すべての行動において高い品質を保持することです。
- Chemadaの経営陣は、すべての従業員が品質、環境、安全に関する方針を認識し、研修、調査、監査、奨励を通じて、それに従って業務を遂行するように努めています。
- 品質・安全・環境目標の達成は、定められた手順と作業指示書に従って体系的に行われ、文書で確認することにより、起こりうる欠陥を防止します。
- Chemadaは、化学物質、輸送、ラベリング、環境および安全保護に関しての地域および国際的な規制に従っています。
- 文書化することで、顧客に納品されるまでのすべての段階を追跡することができます。
- 品質はChemadaの活動に不可欠な要素であり、継続的な改善のために新たな目標を設定しています。

製品リスト

このリストでは、当社の製品ポートフォリオを一目でご覧いただけます。
最新の製品リストについては、当社のウェブサイトをご覧ください。
新製品、受託（試作）製品、特注製造プロジェクトについては、お気軽にお問い合わせください。
Chemadaの研究開発チームが、新製品のお問い合わせから製品納入まで、専任のプロジェクト管理を行います。

Family

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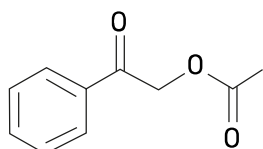
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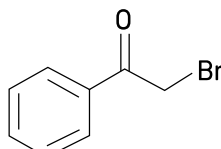
ACETOPHENONES

2-Acetoxyacetophenone



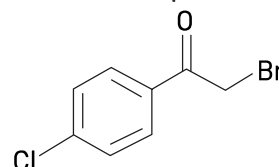
CAS# 2243-35-8
 mp: 49°C
 bp: 150-152 °C @ 10 mm Hg

2-Bromoacetophenone



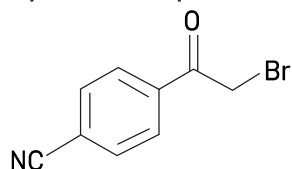
CAS# 70-11-1
 mp: 49-50 °C
 bp: 135 °C @ 18 mm Hg

2-Bromo-4'-chloroacetophenone



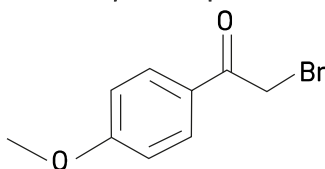
CAS# 536-38-9
 mp: 96-97 °C

2-Bromo-4'-cyanoacetophenone



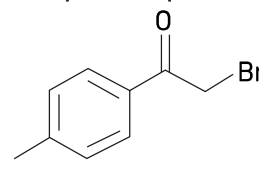
CAS# 20099-89-2
 mp: 89-92°C

2-Bromo-4'-methoxyacetophenone



CAS# 2632-13-5
 mp: 69-71 °C

2-Bromo-4'-methylacetophenone



CAS# 619-41-0
 mp: 48-51 °C
 bp: 155-159 °C @ 14 mm Hg

ACETOPHENONES

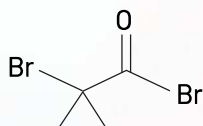
3'-Bromoacetophenone



CAS 2142-63-4
 bp 79°C - 81°C (2 mmHg)

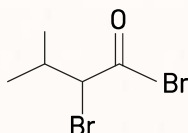
ACYL BROMIDES

2-Bromo-2-methylpropionyl bromide



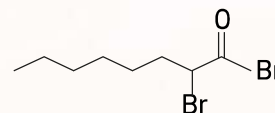
CAS#: 20769-85-1
 mp: <0°C
 bp: 162-164 °C @ 760 mm Hg

2-Bromo-3-methylbutyryl bromide



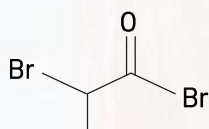
CAS#: 26464-05-1
 mp: <0°C
 bp: 184-194 °C @ 760 mm Hg

2-Bromooctanoyl bromide



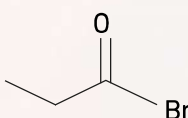
CAS#: 106265-08-1
 bp: 120 °C @ 12 mm Hg

2-Bromopropionyl bromide



CAS#: 563-76-8
 mp: <0°C
 bp: 153-154 °C @ 760 mm Hg

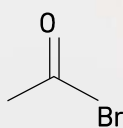
Propionyl bromide



CAS#: 598-22-1
 mp: <0°C
 bp: 103 °C @ 770 mm Hg

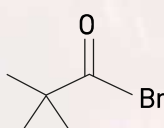
ACYL BROMIDES

Acetyl Bromide



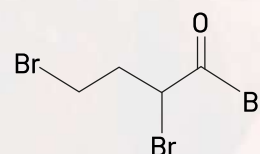
CAS#: 506-96-7
 mp: -96 °C
 bp: 76 °C @ 760 mm Hg

Pivaloyl bromide



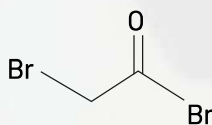
CAS#: 27644-18-4
 bp: 65 °C @ 15 mm Hg

2,4-Dibromobutyryl bromide



CAS#: 52412-07-4
 bp: 119-121 °C @ 20 mm Hg

Bromoacetyl bromide



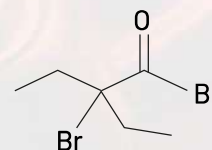
CAS#: 598-21-0
 mp: <0°C
 bp: 150 °C @ 760 mm Hg

2-Bromobutyryl bromide



CAS#: 26074-52-2
 mp: <0°C
 bp: 172-174 °C @ 760 mm Hg

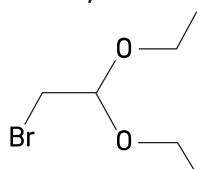
2-Bromo-2-ethylbutyryl bromide



CAS#: 26074-53-3
 mp: <0°C
 bp: 125 °C @ 80 mm Hg

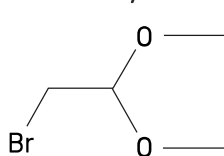
ALDEHYDES

2-Bromo-1,1-diethoxyethane



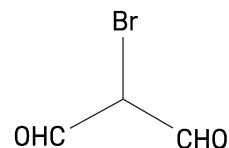
CAS# 2032-35-1
 mp: <0°C
 bp: 66-67 °C @ 18 mm Hg

2-Bromo-1,1-dimethoxyethane



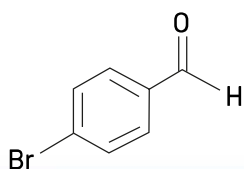
CAS# 7252-83-7
 mp: <0°C
 bp: 148-150 °C @ 760 mm Hg

2-Bromopropanedial



CAS# 2065-75-0
 mp: 144 °C

4-Bromobenzaldehyde



CAS# 1122-91-4
 mp: 56°C
 bp: 66-68 °C @ 2 mm Hg

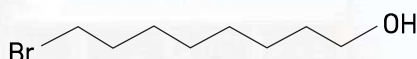
ALKYL BROMIDES

1-Bromo-2-hexyldecane



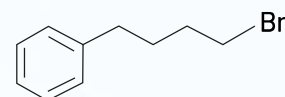
CAS# 52997-43-0
 bp: 114-118 °C @ 0.5 mm Hg

8-Bromo-1-octanol



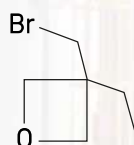
CAS# 50816-19-8
 bp: 79-80 °C @ 0.07 mm Hg

1-Bromo-4-phenylbutane



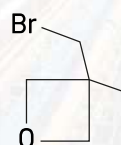
CAS# 13633-25-5
 bp: 140 °C @ 18 mm Hg

3-(Bromomethyl)-3-ethyloxetane



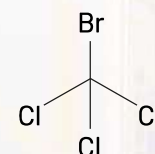
CAS# 2951-87-3
 mp: 4°C
 bp: 183 °C (est.)

3-(bromomethyl)-3-methyloxetane



CAS# 78385-26-9
 mp: <20°C
 bp: 95 °C @ 60 mm Hg

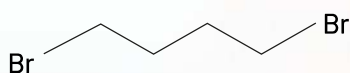
Bromotrichloromethane



CAS# 75-62-7
 mp: -6°C
 bp: 105 °C @ 760 mm Hg

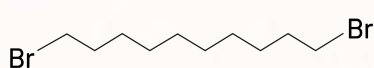
ALKYL BROMIDES

1,4-Dibromobutane



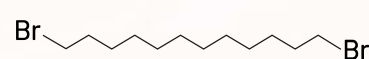
CAS# 110-52-1
 mp: -20°C
 bp: 176-78/13 mbar

1,10-Dibromodecane



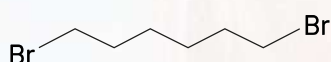
CAS# 4101-68-2
 mp: 25-26
 bp: 160-165 °C @ 760 mm Hg

1,12-Dibromododecane



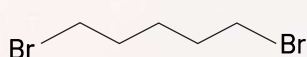
CAS# 3344-70-5
 mp: 41°C
 bp: 215 °C @ 15 mm Hg

1,6-dibromohexane



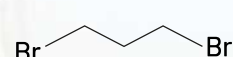
CAS# 629-03-8
 mp: -2°C
 bp: 108-110/16 mbar

1,5-dibromopentane



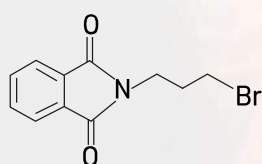
CAS# 111-24-0
 mp: -34°C
 bp: 95-98/13 mbar

1,3-dibromopropane

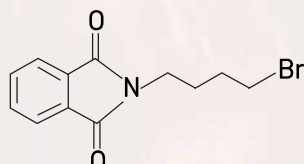


CAS# 109-64-8
 mp: -34°C
 bp: 165-167 mbar

ALKYL BROMIDES

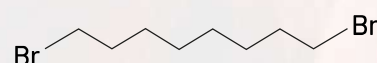
 N-(3-Bromopropyl)
 phthalimide


CAS# 5460-29-7
 mp: 74-76 °C

 N-(4-Bromobutyl)
 phthalimide


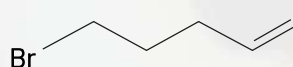
CAS# 5394-18-3
 mp: 80-82°C

1,8-Dibromooctane



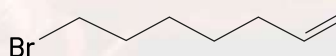
CAS# 4549-32-0
 mp: 15-16 °C
 bp: 140 °C @ 40 mm Hg

5-Bromo-1-pentene



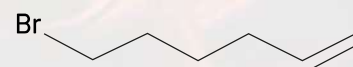
CAS# 1119-51-3
 bp: 126-129 °C @ 760 mm. Hg

7-Bromo-1-heptene



CAS# 03/09/4117
 bp: 27 °C @ 1 mm. Hg

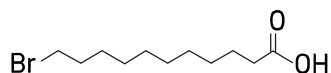
6-Bromo-1-hexene



CAS# 2695-47-8
 bp: 151-153 °C

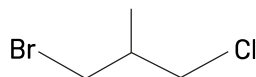
ALKYL BROMIDES

11-Bromoundecanoic acid



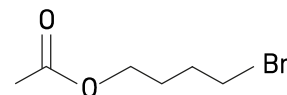
CAS# 2834-05-1
 mp: 57 °C
 bp: 173-174 °C @ 2 mm. Hg

1-Bromo-3-chloro-2-methylpropane



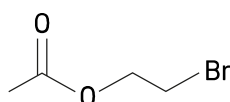
CAS# 6974-77-2
 bp: 152-154 °C @ 760 mm. Hg

4-Bromobutyl acetate



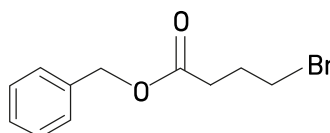
CAS# 4753-59-7
 mp: <0 °C
 bp: 92-93 °C @ 12 mm. Hg

2-Bromoethyl acetate



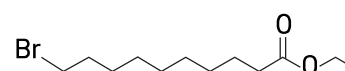
CAS# 927-68-4
 mp: -14 °C
 bp: 162 °C @ 760 mm. Hg

Benzyl 4-bromobutyrate



CAS# 126430-46-4
 bp: >300 °C (est.)

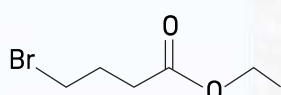
Ethyl 10-bromodecanoate



CAS# 55099-31-5
 bp: 162-164 °C @ 10 mm. Hg

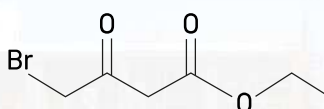
ALKYL BROMIDES

Ethyl 4-bromobutyrate



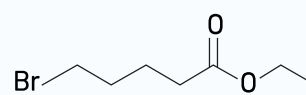
CAS# 2969-81-5
 bp: 196-197 °C @ 760 mm. Hg

Ethyl 4-bromo-3-oxobutyrate



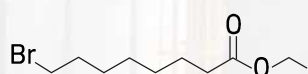
CAS# 13176-46-0
 bp: 114-117 °C @ 14 mm. Hg

Ethyl 5-bromovalerate



CAS# 14660-52-7
 bp: 104-109 °C @ 12 mm. Hg

Ethyl 8-bromooctanoate



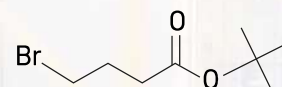
CAS# 29823-21-0
 bp: 138-142 °C @ 3 mm. Hg

Methyl 6-bromohexanoate



CAS# 14273-90-6
 mp: <0 °C
 bp: 150 °C @ 50 mm. Hg

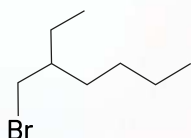
tert-Butyl 4-bromobutyrate



CAS# 110661-91-1
 bp: 225 °C (est)

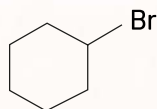
ALKYL BROMIDES

1-Bromo-2-ethylhexane



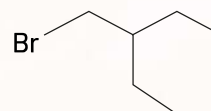
CAS#: 18908-66-2
 bp: 75 - 77 °C @ 16 mm. Hg

Bromocyclohexane



CAS#: 108-85-0
 mp: <0°C
 bp: 163-165 °C @ 760 mm Hg

1-Bromo-2-ethylbutane



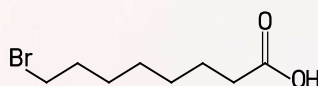
CAS#: 3814-34-4
 bp: 143 °C

1-Bromo-2-butyne



CAS#: 3355-28-0
 bp: 40-41 °C @ 20 mm. Hg

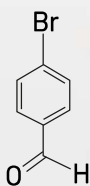
8-Bromooctanoic acid



CAS 17696-11-6
 mp 37° - 41°C
 bp 147°C - 150°C (2mmHg)

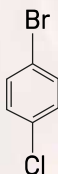
AROMATIC BROMIDES

4-Bromobenzaldehyde



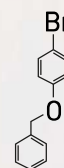
CAS#: 1122-91-4
 mp: 56°C
 bp: 66-68 °C @ 2 mm. Hg

1-Bromo-4-chlorobenzene



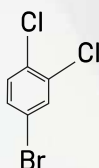
CAS#: 106-39-8
 mp: 68°C
 bp: 196 °C @ 196 mm. Hg

4-Bromophenylbenzyl ether



CAS#: 6793-92-6
 mp: 60-62 °C
 bp: 166-167 °C @ 4 mm. Hg

4-Bromo-1,2-dichlorobenzene



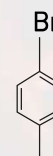
CAS#: 18282-59-2
 mp: 24-25 °C
 bp: 124 °C @ 33 mm. Hg

Bromopentafluorobenzene



CAS#: 344-04-7
 mp: -31 °C
 bp: 138-140 °C @ 760 mm. Hg

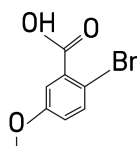
4-Bromotoluene



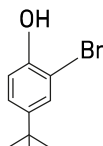
CAS#: 106-38-7
 mp: 26 °C
 bp: 184-185 °C @ 760 mm. Hg

AROMATIC BROMIDES

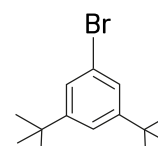
2-Bromo-5-methoxybenzoic acid


 CAS# 22921-68-2
 mp: 160-162 °C

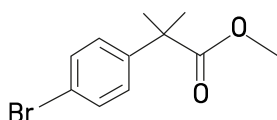
2-Bromo-4-tert-butylphenol


 CAS# 2198-66-5
 bp: 125 °C @ 10 mm Hg

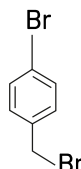
1-Bromo-3,5-di-tert-butylbenzene


 CAS# 22385-77-9
 mp: 63-64 °C
 bp: 147-148 °C @ 12 torr

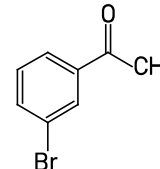
Methyl 2-(4-bromophenyl)-2-methylpropionate


 CAS# 154825-97-5
 bp: 280°C (est.)

4-Bromobenzyl bromide

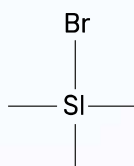

 CAS# 589-15-1
 mp: 60°C
 bp: 130-131 °C @ 16 - 17 mm Hg

3'-Bromoacetophenone


 CAS 2142-63-4
 bp 79°C - 81°C (2 mmHg)

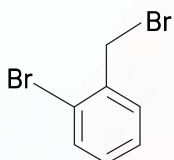
SILANES

Bromotrimethylsilane


 CAS# 2857-97-8
 mp: -43°C
 bp: 79 °C

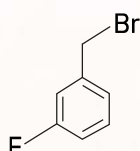
BENZYL BROMIDES

2-Bromobenzyl bromide



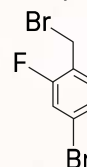
CAS# 3433-80-5
 mp: 30-32 °C
 bp: 129 °C @ 19. mm Hg

3-Fluorobenzyl bromide



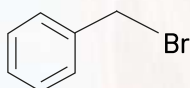
CAS# 456-41-7
 bp: 88 °C @ 20. mm Hg

4-Bromo-2-fluorobenzyl bromide



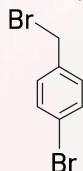
CAS# 76283-09-5
 mp: 33-36 °C
 bp: 126 °C @ 19. mm Hg

Benzyl bromide



CAS# 100-39-0
 mp: -2 °C
 bp: 198-199 °C @ 760 mm. Hg

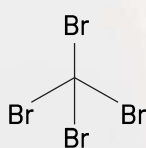
4-Bromobenzyl bromide



CAS# 589-15-1
 mp: 60 °C
 bp: 130-131 °C @ 16 - 17. mm Hg

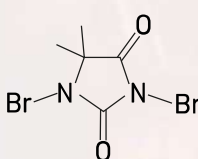
BROMINATING AGENTS

Tetrabromomethane



CAS# 558-13-4
 mp: 92 °C
 bp: 190 °C @ 760 mm. Hg

1,3-Dibromo-5,5-dimethylhydantoin



CAS# 77-48-5
 mp: 188 °C

 Hydrobromic acid
 (33% in acetic acid)

HBr

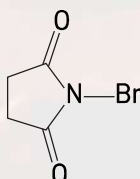
CAS# 10035-10-6

 Hydrobromic acid
 (48% in water)

HBr

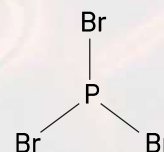
CAS# 10035-10-6

N-Bromosuccinimide



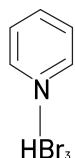
CAS# 128-08-5
 mp: 177 °C. (decomposes)

Phosphorus tribromide

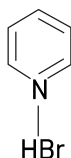


CAS# 7789-60-8
 mp: -41 °C
 bp: 173 °C @ 760 mm. Hg

BROMINATING AGENTS

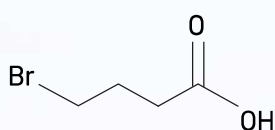
 Pyridine hydrobromide
 perbromide

 CAS# 39416-48-3
 mp: 132-134 °C

Pyridine hydrobromide

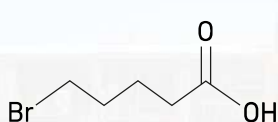

 CAS# 18820-82-1
 mp: 219 °C

CARBOXYLIC ACIDS

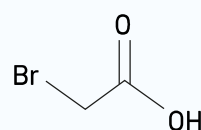
4-Bromobutyric acid


 CAS# 2623-87-2
 mp: 32-33 °C
 bp: 124-127 °C @ 7 mm Hg

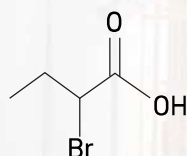
5-Bromovaleric acid

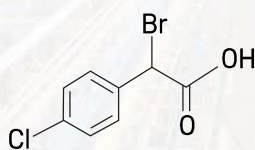

 CAS# 2067-33-6
 mp: 38-40 °C
 bp: 142-145 °C @ 13 mm Hg

Bromoacetic acid

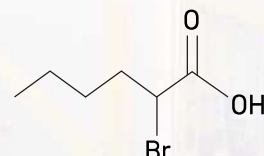

 CAS# 79-08-3
 mp: 50 °C
 bp: 208 °C @ 760 mm Hg

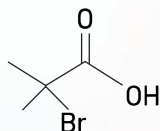
2-Bromobutyric acid


 CAS# 80-58-8
 mp: -4 °C
 bp: 217 °C @ 760 mm Hg

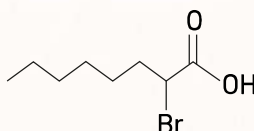
 Bromo-(4-chlorophenyl)
 acetic acid

 CAS# 3381-73-5
 mp: 95-96 °C

2-Bromohexanoic acid

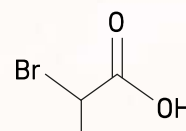

 CAS# 616-05-7
 mp: 4 °C
 bp: 240 °C @ 760 mm Hg

CARBOXYLIC ACIDS
2-Bromo-2-methylpropionic acid


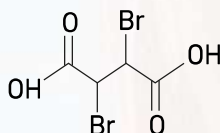
CAS# 2052-01-9
 mp: 48-49°C
 bp: 110-116 °C @ 20 mm Hg

2-Bromooctanoic acid


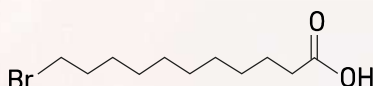
CAS# 2623-82-7
 mp: <0°C
 bp: 140 °C @ 5 mm Hg

2-Bromopropionic acid


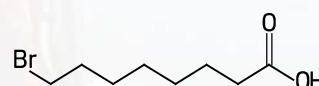
CAS# 598-72-1
 mp: 26°C
 bp: 204 °C @ 760 mm Hg

Meso-2,3-dibromosuccinic acid


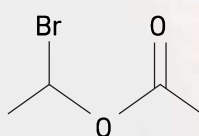
CAS# 526-78-3
 mp: 167 °C

11-Bromoundecanoic acid


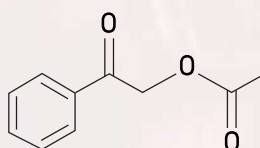
CAS# 2834-05-1
 mp: 57°C
 bp: 173-174 °C @ 2 mm Hg

8-Bromooctanoic acid


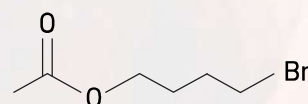
CAS 17696-11-6
 mp 37°- 41°C
 bp 147°C - 150°C (2mmHg)

ESTERS
1-Bromoethyl acetate


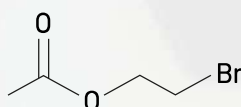
CAS# 40258-78-4
 bp: 122-125 °C @ 738 mm Hg

2-Acetoxyacetophenone


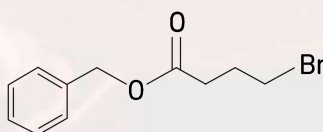
CAS# 2243-35-8
 mp: 49°C
 bp: 150-152 °C @ 10 mm Hg

4-Bromobutyl acetate


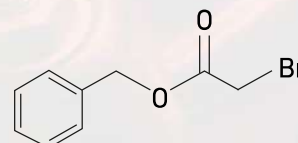
CAS# 4753-59-7
 mp: <0°C
 bp: 92-93 °C @ 12 mm Hg

2-Bromoethyl acetate


CAS# 927-68-4
 mp: -14 °C
 bp: 162 °C @ 760 mm Hg

Benzyl 4-bromobutyrate


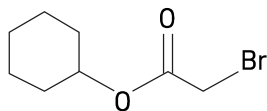
CAS# 126430-46-4
 bp: >300 °C (est.)

Benzyl bromoacetate


CAS# 5437-45-6
 mp: <0°C
 bp: 166-170 °C @ 22 mm Hg

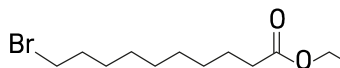
ESTERS

Cyclohexyl bromoacetate



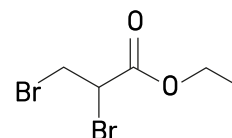
CAS# 6289-39-0
 bp: 120-122 °C @ 15 mm Hg

Ethyl 10-bromodecanoate



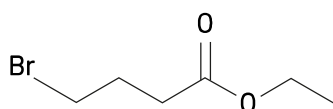
CAS# 55099-31-5
 bp: 162-164 °C @ 10 mm Hg

Ethyl 2,3-dibromopropionate



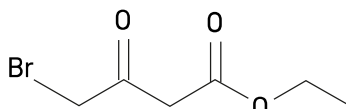
CAS# 3674-13-3
 bp: 214-215 °C @ 760 mm Hg

Ethyl 4-bromobutyrate



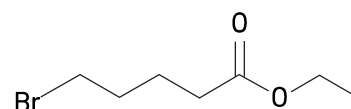
CAS# 2969-81-5
 bp: 196-197 °C @ 760 mm Hg

Ethyl 4-bromo-3-oxobutyrate



CAS# 13176-46-0
 bp: 114-117 °C @ 14 mm Hg

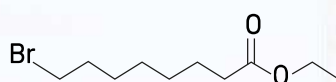
Ethyl 5-bromovalerate



CAS# 14660-52-7
 bp: 104-109 °C @ 12 mm Hg

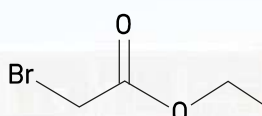
ESTERS

Ethyl 8-bromooctanoate



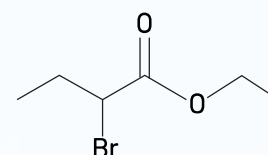
CAS# 29823-21-0
 bp: 138-142 °C @ 3 mm Hg

Ethyl bromoacetate



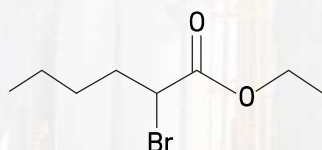
CAS# 105-36-2
 mp: <0°C
 bp: 158-159 °C @ 760 mm Hg

Ethyl 2-bromobutyrate



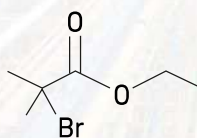
CAS# 533-68-6
 mp: <0°C
 bp: 178 °C @ 765 mm Hg

Ethyl 2-bromohexanoate



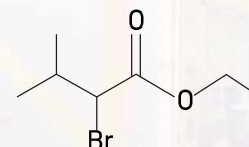
CAS# 615-96-3
 mp: <0°C
 bp: 205-210 °C @ 760 mm Hg

Ethyl 2-bromo-2-methylpropionate



CAS# 600-00-0
 mp: <0°C
 bp: 163 °C @ 760 mm Hg

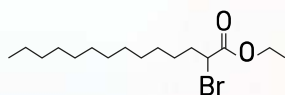
Ethyl 2-bromo-3-methylbutyrate



CAS# 609-12-1
 mp: <0°C
 bp: 186 °C @ 760 mm Hg

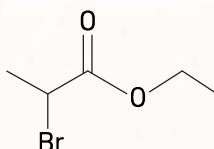
ESTERS

Ethyl 2-bromotetradecanoate



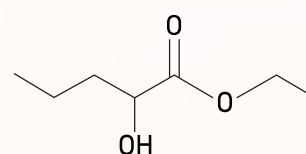
CAS# 14980-92-8
 mp: <0 °C
 bp: 156-158 °C @ 2.5 mm Hg

Ethyl 2-bromopropionate



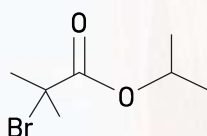
CAS# 535-11-5
 mp: <0 °C
 bp: 159-161 °C @ 760 mm Hg

Ethyl 2-hydroxyvalerate



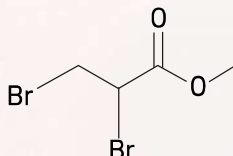
CAS# 6938-26-7
 mp: 5 °C
 bp: 89 °C @ 25 mm Hg (Lit)

Isopropyl 2-bromo-2-methylpropionate



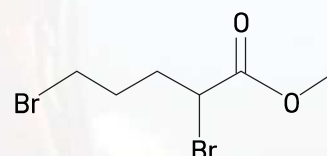
CAS# 51368-55-9
 mp: <0 °C
 bp: 91-94 °C @ 55 mm Hg

Methyl 2,3-dibromopropionate



CAS# 1729-67-5
 bp: 206 °C @ 760 mm Hg

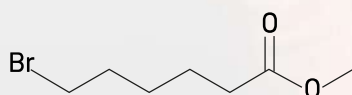
Methyl 2,5-dibromovalerate



CAS# 50995-48-7
 bp: 135 °C @ 17 mm Hg

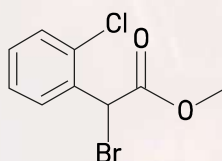
ESTERS

Methyl 6-bromohexanoate



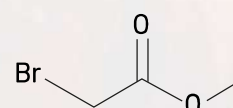
CAS# 14273-90-6
 mp: <0 °C
 bp: 150 °C @ 50 mm Hg

Methyl bromo-(2-chlorophenyl)acetate



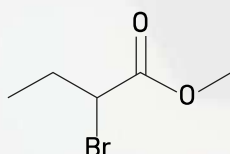
CAS# 85259-19-4
 bp: 135-145 °C @ 17 mm Hg

Methyl bromoacetate



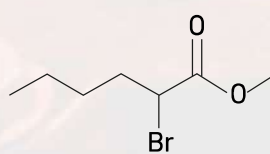
CAS# 96-32-2
 mp: <0 °C
 bp: 51-52 °C @ 15 mm Hg

Methyl 2-bromobutyrate



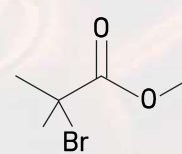
CAS# 3196-15-4
 mp: <0 °C
 bp: 171 °C @ 760 mm Hg

Methyl 2-bromohexanoate



CAS# 5445-19-2
 mp: <-10 °C
 bp: 185 °C @ 760 mm Hg

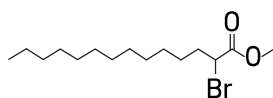
Methyl 2-bromo-2-methylpropionate



CAS# 23426-63-3
 mp: <0 °C
 bp: 149-150 °C @ 760 mm Hg

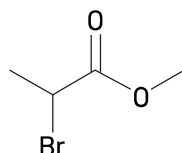
ESTERS

Methyl 2-bromotetradecanoate



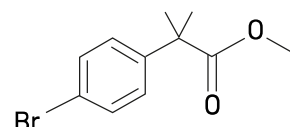
CAS# 16631-25-7
 mp: <10 °C
 bp: 190-191 °C @ 10 mm. Hg

Methyl 2-bromopropionate



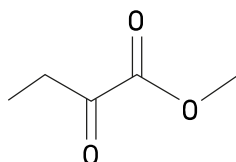
CAS# 5445-17-0
 mp: <0°C
 bp: 144 °C @ 760 mm. Hg

Methyl 2-(4-bromophenyl)-2-methylpropionate



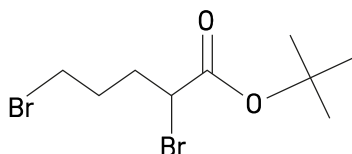
CAS# 154825-97-5
 bp: 280 °C (est.)

Methyl 2-oxobutyrates



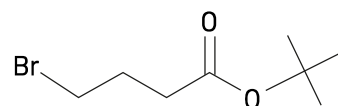
CAS# 3952-66-7
 bp: 72-74 °C @ 27 mm. Hg

tert-Butyl 2,5-dibromovalerate



CAS# 178933-83-0
 bp: 280 °C (est)

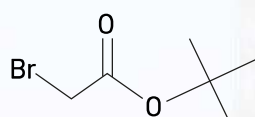
tert-Butyl 4-bromobutyrate



CAS# 110661-91-1
 bp: 225 °C (est)

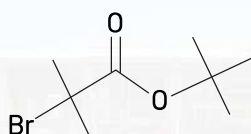
ESTERS

tert-Butyl bromoacetate



CAS# 5292-43-3
 mp: <0°C
 bp: 50 °C @ 10 mm. Hg

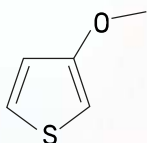
tert-Butyl 2-bromo-2-methylpropanoate



CAS# 23877-12-5
 mp: <0°C
 bp: 58-60 °C @ 12 mm. Hg

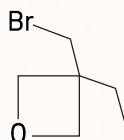
ETHERS

3-Methoxythiophene



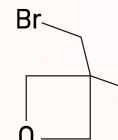
CAS# 17573-92-1
 bp: 95-97 °C @ 80 mm Hg

3-(Bromomethyl)-3-ethyloxetane



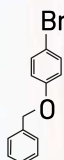
CAS# 2951-87-3
 mp: 4°C
 bp: 183 °C (est.)

3-(bromomethyl)-3-methyloxetane



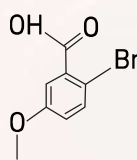
CAS# 78385-26-9
 mp: <20°C
 bp: 95 °C @ 60 mm Hg

4-Bromophenylbenzyl ether



CAS# 6793-92-6
 mp: 60-62°C
 bp: 166-167 °C @ 4 mm Hg

2-Bromo-5-methoxybenzoic acid



CAS# 22921-68-2
 mp: 160-162 °C

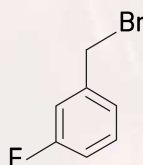
FLUORO COMPOUNDS

Pentafluorobenzene



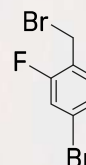
CAS# 363-72-4
 mp: -48°C
 bp: 85-86 °C @ 755 mm Hg

3-Fluorobenzyl bromide



CAS# 456-41-7
 bp: 88°C @ 20 mm Hg

4-Bromo-2-fluorobenzyl bromide



CAS# 76283-09-5
 mp: 33-36 °C
 bp: 126 °C @ 19 mm Hg

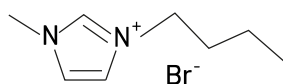
Bromopentafluorobenzene



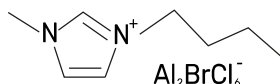
CAS# 344-04-7
 mp: -31 °C
 bp: 138-140 °C @ 760 mm Hg

IONIC LIQUIDS

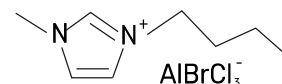
1-Butyl-3-methylimidazolium bromide


 CAS# 85100-77-2
 mp: -60°C

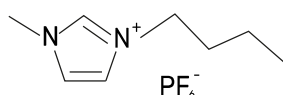
1-Butyl-3-methylimidazolium bromohexachlorodialuminate


 CAS# 574705-76-3
 mp: -20°C

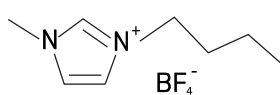
1-Butyl-3-methylimidazolium bromotrichloroaluminate


 CAS# 405140-68-3
 mp: <-20°C

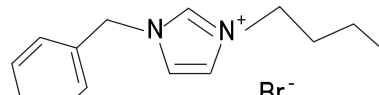
1-Butyl-3-methylimidazolium hexafluorophosphate


 CAS# 174501-64-5
 mp: -80°C

1-Butyl-3-methylimidazolium tetrafluoroborate


 CAS# 174501-65-6
 mp: -71 °C

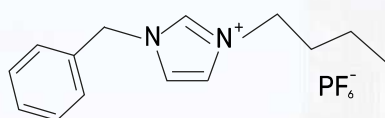
1-Benzyl-3-butylimidazolium bromide



CAS# 642096-86-4

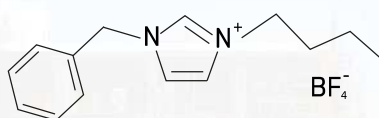
IONIC LIQUIDS

1-Benzyl-3-butylimidazolium hexafluorophosphate



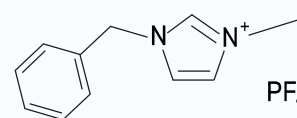
CAS# 642443-66-1

1-Benzyl-3-butylimidazolium tetrafluoroborate

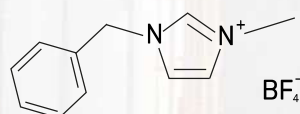


CAS# 642443-67-2

1-Benzyl-3-methylimidazolium hexafluorophosphate

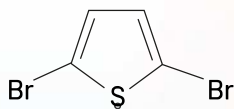

 CAS# 433337-11-2
 mp: 146-147 °C

1-Benzyl-3-methylimidazolium tetrafluoroborate


 CAS# 500996-04-3
 mp: 54-55 °C

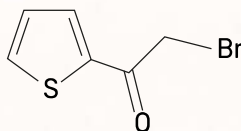
THIOPHENES

2,5-Dibromothiophene



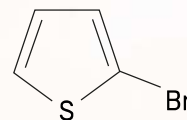
CAS# 3141-27-3
 mp: -6°C
 bp: 211 °C

2-(Bromoacetyl)thiophene



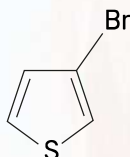
CAS# 10531-41-6
 mp: 33-35 °C
 bp: 162-163 °C @ 20 mm Hg

2-Bromothiophene



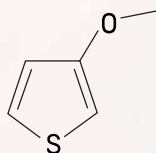
CAS# 1003-09-4
 bp: 149-151 °C @ 760 mm Hg

3-Bromothiophene



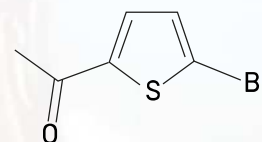
CAS# 872-31-1
 bp: 159-160 °C @ 760 mm Hg

3-Methoxythiophene



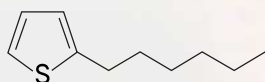
CAS# 17573-92-1
 bp: 95-97 °C @ 80 mm Hg

2-Acetyl-5-bromothiophene



CAS# 5370-25-2
 mp: 94-96 °C
 bp: 103 °C @ 4 mm Hg

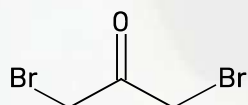
2-Hexylthiophene



CAS# 18794-77-9
 bp: 228-230 °C

OTHER

1,3-Dibromoacetone



CAS 816-39-7
 mp 29°C - 30°C
 bp 97°C - 98°C (21mmHg)



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