

The ultimate  
toolbox for the  
drug discovery  
chemist

Chemicals

## Thermo Scientific monomers

A collection of building blocks  
chosen for hit to lead optimisation



The availability of diverse and pharmacophorically relevant synthetic building blocks remains a critical success factor in the drug design process.

We have collated an off-the-shelf collection of building blocks with medically important ring systems. Our primary focus being on heterocyclic chemistry because we believe that such pharmacophore-enhancing molecules are key tools for the drug discovery chemist.



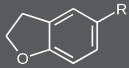

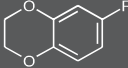
Our focus is to provide medicinal chemists with the ideal building blocks for use in early-phase drug discovery in:

- Structure activity relationship (SAR) development and hit to lead building blocks
- Generating screening libraries for further hit identification/elaboration

### Features and benefits

- **Over 300 different heterocyclic ring systems**—adds to the pharmacophoric profile of your target molecules
- **All synthetically useful functional groups**—facilitates the full breadth of chemical synthesis techniques
- **Ring regioisomers**—enables systematic exploration of structural diversity space and broadens intellectual property protection
- **Minimal substitution**—provides easier interpretation of SAR

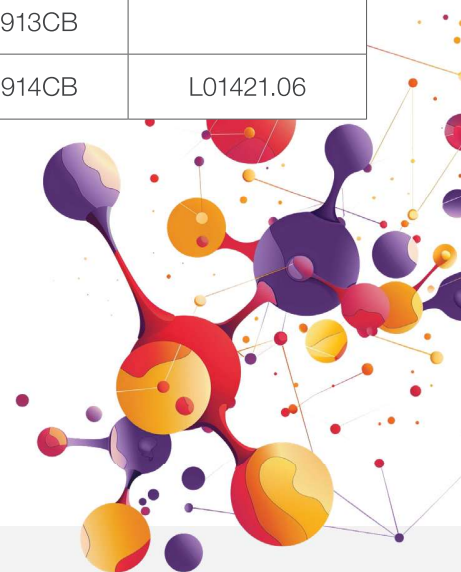
Table 1. Available products\* selection for each functional group within the corresponding ring system.

Functional group ring system					
CO <sub>2</sub> H	119820050	172450050	CC00801EA	CC00901CB	
COCl	165380250				
SO <sub>2</sub> Cl		CC02103CB	CC00803DA	CC00903CB	
CHO	181100250	393260010	CC00804DA	CC00904CB	398210010
NCO			CC00806CB		
CH <sub>2</sub> OH		188080050			CC01309CB
Br	CC02010DA	175260025	CC00810DA		441700010
I				CC00911DA	CC01311DA
B(OH) <sub>2</sub>	359390010	359401000	CC00812DA		L20296.03
CH <sub>2</sub> NH <sub>2</sub>	119800050		CC00813CB	CC00913CB	
NH <sub>2</sub>				CC00914CB	L01421.06

\* Not all products are available on thermofisher.com. Please contact us to request a quote.

### Quality, availability and customized service

- All our building blocks are analyzed in-house using one or more of the following techniques: NMR, HPLC, GC and/or IR
- With more than 95% stock availability, our product offering provides a speedy and reliable source for high-quality building blocks
- We can now custom weigh your building blocks into 96 well plates for library synthesis



For more information  
download the library files



Scan to request  
a quote

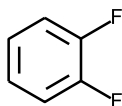
Learn more about our small molecules comprehensive portfolio at  
[thermofisher.com/small-molecules](https://thermofisher.com/small-molecules)

thermo scientific

# Organic Intermediates

Chemicals

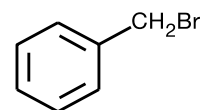
サーモ・サイエンティフィック (旧アルファ・エイサー) 輸入元・日本代理店 ヒドラス化学株式会社  
TEL.03-3258-5031 FAX.03-3258-6535 info@hydrus.co.jp www.hydrus.co.jp



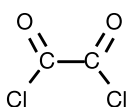
**A10377**  
1,2-Difluorobenzene, 98+%  
CAS: 367-11-3



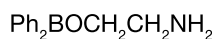
**A10162**  
tert-Butylacetyl chloride, 98+%  
CAS: 7065-46-5



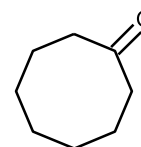
**A13535**  
Benzyl bromide, 99%  
CAS: 100-39-0



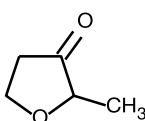
**A18012**  
Oxalyl chloride, 98%  
CAS: 79-37



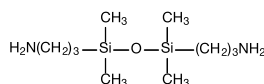
**A10162**  
2-Aminoethyl diphenylborinate, 98%  
CAS: 524-95-8



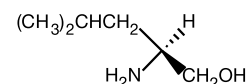
**B20911**  
Cyclooctanone, 98%  
CAS: 502-49-8



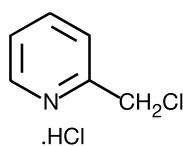
**B20890**  
2-Methyltetrahydrofuran-3-one, 98+%  
CAS: 3188-00-9



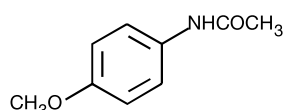
**L17295**  
1,3-Bis(aminopropyl)tetra-methyldisiloxane, 97%  
CAS: 2469-55-8



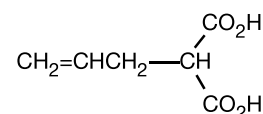
**B23745**  
L-Leucinol, 97%  
CAS: 7533-40-6



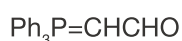
**A10226**  
(2-Chloromethyl)pyridine hydrochloride, 98%  
CAS: 6959-47-3



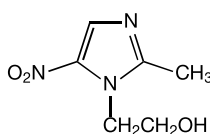
**A13253**  
4'-Methoxyacetanilide, 98+%  
CAS: 51-66-1



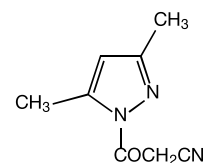
**A17443**  
Allylmalonic acid, 98+%  
CAS: 2583-25-7



**A11709**  
(Formylmethylene)triphenyl phosphorane  
CAS: 2136-75-6

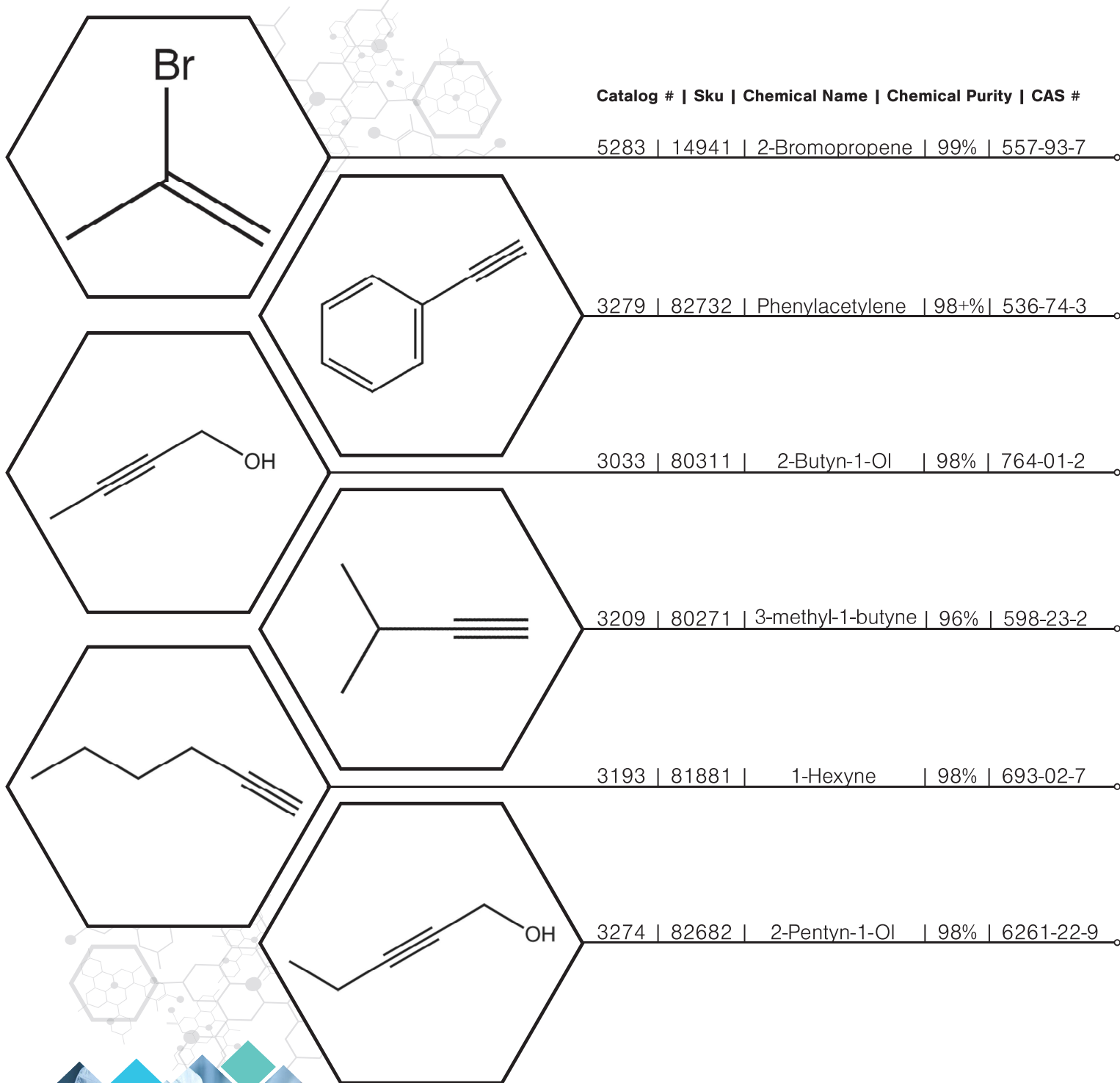


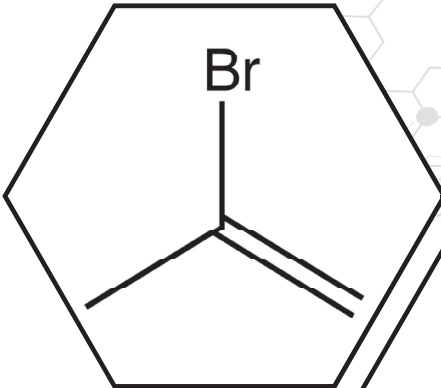
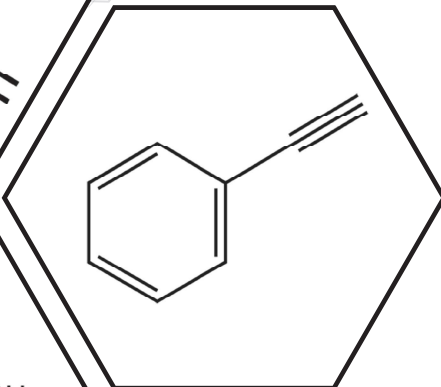
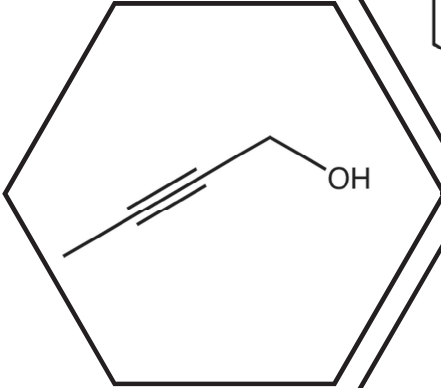
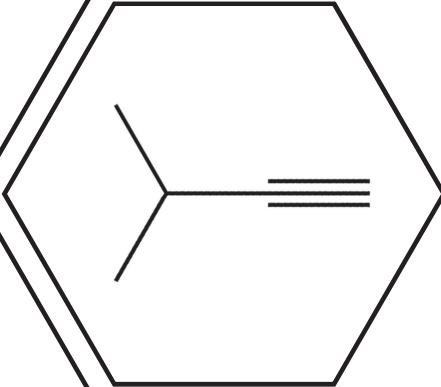
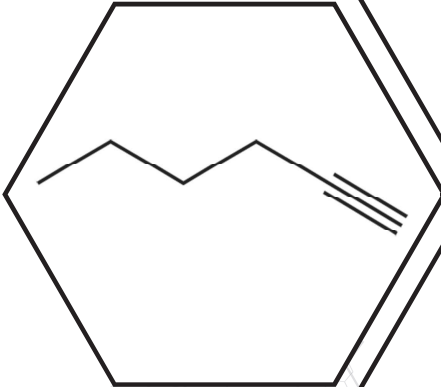
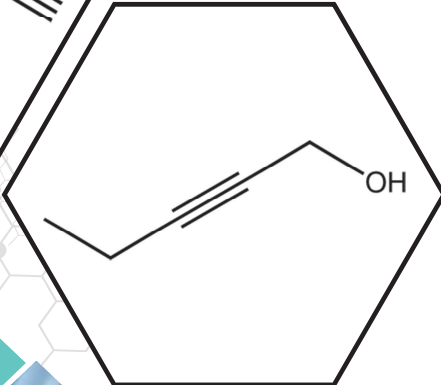
**H60258**  
Metronidazole, 99%  
CAS: 443-48-1



**L08369**  
1-Cyanoacetyl-3,5-dimethyl-1H-pyrazole, 97%  
CAS: 36140-83-7

Find out more at [thermofisher.com/chemicals](https://thermofisher.com/chemicals)



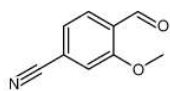
	Catalog #	Sku	Chemical Name	Chemical Purity	CAS #
	5283	14941	2-Bromopropene	99%	557-93-7
	3279	82732	Phenylacetylene	98+%	536-74-3
	3033	80311	2-Butyn-1-ol	98%	764-01-2
	3209	80271	3-methyl-1-butyne	96%	598-23-2
	3193	81881	1-Hexyne	98%	693-02-7
	3274	82682	2-Pentyn-1-ol	98%	6261-22-9



## GLSyntech, LLC

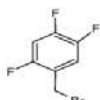
### Custom Pharmaceutical Intermediates and APIs

- Full Spectrum of Fluoro-aromatics, Fluoro-heterocyclics, and Specialty Fluorinating Reagents
- *in situ* Generation of fluorine (F<sub>2</sub>) and its spontaneous selective fluorination in production processes
- Chiral technologies – biocatalysis and chemocatalysis
- Custom Boronic Acids and their Esters, and Novel Heterocyclic Compounds (N-, S- and O-based)
- Unnatural and Protected Amino Acids, Oligonucleosides and Peptides
- Thiophosgenation and other Advanced Process Technologies for complex structures
- Lab Reference Compounds (APIs, metabolites, impurities,...), and High Purity Omega-3 products (EPA and DHA)



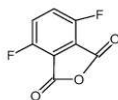
4-Formyl-3-methoxybenzonitrile

CAS# 21962-45-8



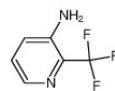
2,4,5-Trifluorobenzyl bromide

CAS# 157911-56-3



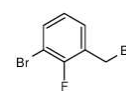
3,6-Difluorophthalic anhydride

CAS# 652-40-4



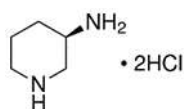
2-Trifluoromethyl-3-aminopyridine

CAS# 106877-32-1



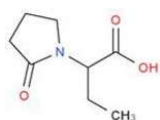
3-Bromo-2-fluorobenzyl bromide

CAS# 149947-16-0



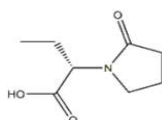
R-3-piperidine-amine diHCl

CAS# 334618-23-4



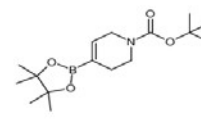
(RS)-alpha-ethyl-2-oxo-1-pyrrolidine acetic acid

CAS# 67118-31-4



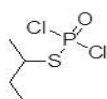
(S)-alpha-ethyl-2-oxo-1-pyrrolidine acetic acid

CAS# 102849-49-0



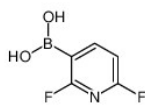
1-N-Boc-4-(4,4,5,5-Tetramethyl-1,3,2)dioxaborolane

-2-yl)-3,6-dihydro-2H-pyridine CAS# 286961-14-6



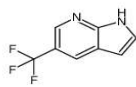
S-sec-butyl phosphorodichloridithioate

CAS# 63525-20-2



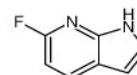
2,6-Difluoropyridine-3-boronic acid

CAS# 136466-94-9



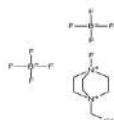
5-(trifluoromethyl)-1H-pyrrolo[2,3-b]pyridine

CAS# 1036027-54-9



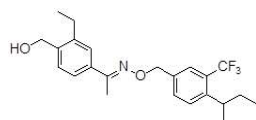
6-Fluoro-1H-pyrrolo[2,3-b]pyridine

CAS# 898746-42-4



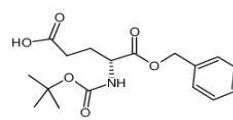
Chloromethyl-4-fluoro-1,4-diazoniabicyclo [2.2.2]octane bis(tetrafluoroborate)

CAS# 140681-55-6



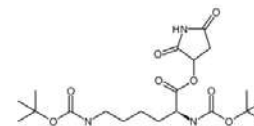
1-(3-ethyl-4-hydroxymethylphenyl)ethanone O-(4-cyclohexyl-3-trifluoromethylbenzyl)oxime

CAS# 800379-63-9



Boc-L-Glutamic acid 1-benzyl ester

CAS# 30924-93-7



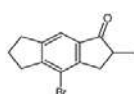
Boc-Lys(Boc)-Osu

CAS# 30189-36-7



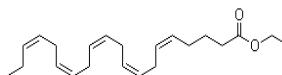
2-Methyl-4-phenylindene

CAS# 159531-97-2



4-Bromo-2-methyl-2,3,6,7-tetrahydro-s-indacen-1(5H)-one

CAS# 656800-67-8



cis-5,8,11,14,17-Eicosapentaenoic acid ethyl ester

CAS# 86227-47-6



cis-4,7,10,13,16,19-Docosahexaenoic acid ethyl ester

CAS# 84494-72-4

### Expert Pharma Chemistry Services and Process Technology

- 28+ Yrs of Experience/Expertise, with 150+ Dedicated Chemists and 60,000 sq. ft. of State-of-the-Art Facility
- Competent Chemistry Services (FTE/FFS, Process Development & GMP-Quality Service) through API Development
- Executed Successfully Challenging Projects for 100+ Global Clients
- Know-how Custom Chemistries and Processes covering Drug Discovery, Development, and Manufacturing Processes

### Custom Manufacturing Capability and Capacity

- Kilo Lab Operations, Pilot Scale Production, and Commercial Scale Production
- 500,000+ L Total Reactor Capacity with Reactor Sizes ranging from 100L to 7000L
- Temperature Control: -78 to 300°C      Vacuum Capability: up to 0.16 MPa
- High Distillation and High Pressure Capability

#### GLSyntech, LLC

777 Schwab Road, Suite V, Hatfield, PA 19440, USA

Tel: +1 215 367 5129; Fax: +1 215 701 4982; Email: [sales@glsyntech.com](mailto:sales@glsyntech.com)

[www.glsyntech.com](http://www.glsyntech.com)



Reaction Types



Reactors



Total Reactor Capacity  
**185 m<sup>3</sup>**



Reactor Capacities



25 kg/a – 1.000 MT/a

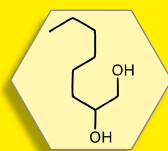


-20 up to 230 °C



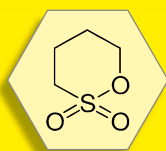
Procedures

## 1,2-Octanediol



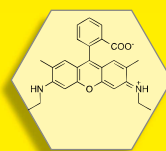
CAS-No. 1117-86-8  
C<sub>8</sub>H<sub>18</sub>O<sub>2</sub>  
Cosmetics

## 1,4-Butane Sultone



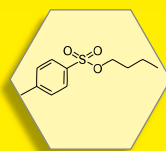
CAS-No. 1633-83-6  
C<sub>4</sub>H<sub>8</sub>O<sub>3</sub>S  
Intermediate e.g. Pharma

## Rhodamine 575



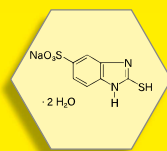
CAS-No. 25152-49-2  
C<sub>26</sub>H<sub>26</sub>N<sub>2</sub>O<sub>3</sub>  
Laser Dye

## n-Butyltosylate



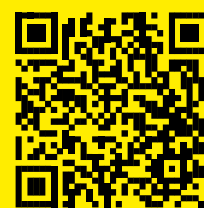
CAS-No. 778-28-9  
C<sub>11</sub>H<sub>16</sub>O<sub>3</sub>S  
Intermediate e.g. Pharma

## Mebi Acid



CAS-No. 207511-11-3  
C<sub>7</sub>H<sub>5</sub>N<sub>2</sub>NaO<sub>3</sub>S<sub>2</sub>·2H<sub>2</sub>O  
Semiconductor Industry

More Products here:





































# Your partner for custom manufacturing



## from pilot to industrial scales

### Sustainable Approach

- **Certified ISO 14001**
- **Carbon Footprint finalised**
- Willingness to recycle solvents and decrease environmental impacts
- Replacement by green solvent

PRODUCTS	CAS NUMBER	TRANSPORT
Allyl phosphonate	CAS 75219-49-7	 
Allyl bromide	CAS 106-95-6	 
Bromopental	CAS 24400-75-7	 
Benzyl Bromide	CAS 100-39-0	 
2-bromoethanol	CAS 540-51-2	 
Bromomethylcyclopropane	CAS 7051-34-5	 
Ethyl bromoacetate	CAS 105-36-2	 
Methyl bromoacetate	CAS 96-32-2	 
Phenyl bromoacetate	CAS 620-72-4	 
Tertbutyl bromoacetate	CAS 5292-43-3	 
Terlbutyl chloroacetate	CAS 107-59-5	 
1,10-Dibromodécane	CAS 4101-68-2	 
1,12-dibromododecane	CAS 3344-70-5	 
1-Bromo-2-chloroethane	CAS 107-04-0	 
4-(Bromomethyl)benzonitrile	CAS 17201-43-3	 
2-bromo-4'-cyanoacetophenone	CAS 20099-89-2	 
2-Bromoethylbenzene	CAS 103-63-9	 

### Production

- **From 10kg to 50MT** of solid & liquid compounds
- Manufactured in multipurpose equipments
- 10 glass lined reactors producing **from 100L to 6300L**
- 2 filter dryers & a biconic dryer

### Business

- More than **70 products manufactured** per year
- **+300T of manufactured products**
- **+10 new projects** in 2025
- Catalogue products (**+200 compounds**)

### Core Business

- **Catalogue products**
- **Custom synthesis** through manufacturing process developed by our R&D
- **Toll manufacturing** throught process provided by customers & adapted to our facilities

**QA system based on GMP and certified ISO 9001**

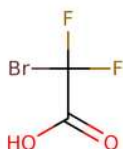


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commercial@palchem.com  
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# SYNQUEST LABORATORIES

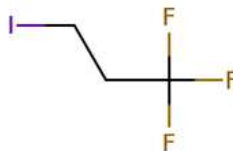
## PHARMACEUTICAL APPLICATIONS



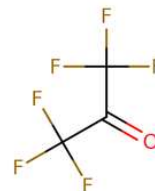
**BROMODIFLUOROACETIC ACID**  
CAS: [354-08-5] PN: [2121-B-02]



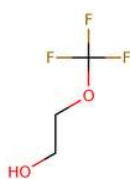
**2-CHLORO-1,1,2-TRIFLUOROETHYL  
DIFLUOROMETHYL ETHER**  
CAS: [13838-16-9] PN: [2107-7-02]



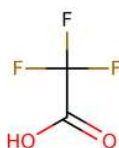
**3-IODO-1,1,1-TRIFLUOROPROPANE**  
CAS: [460-37-7] PN: [1100-K-07]



**HEXAFLUOROACETONE**  
CAS: [684-16-2] PN: [2117-2-04]



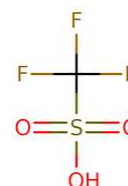
**2-HYDROXYETHYL TRIFLUOROMETHYL ETHER**  
CAS: [362631-84-3] PN: [2107-3-3P]



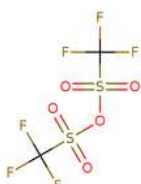
**TRIFLUOROACETIC ACID**  
CAS: [76-05-1] PN: [2121-3-02]



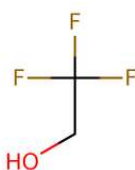
**TRIFLUOROACETIC ANHYDRIDE**  
CAS: [407-25-0] PN: [2126-2-01]



**TRIFLUOROMETHANESULFONIC ACID**  
CAS: [1493-13-6] PN: [6164-3-02]



**TRIFLUOROMETHANESULFONIC ANHYDRIDE**  
CAS: [358-23-6] PN: [6164-2-13]



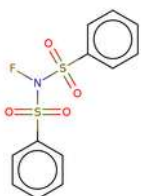
**2,2,2-TRIFLUOROETHANOL**  
CAS: [75-89-8] PN: [2101-3-03]



**HEXAFLUROISOPROPANOL**  
CAS: [920-66-1] PN: [2102-3-06]



**SODIUM METHANETHIOLATE**  
CAS: [5188-07-8] PN: [5161-1-X1]



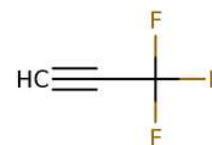
**N-FLUOROBENZENESULFONIMIDE**  
CAS: [133745-75-2] PN: [8669-3-02]



**DIETHYLAMINOSULFUR TRIFLUORIDE**  
CAS: [38078-09-0] PN: [7132-3-02]



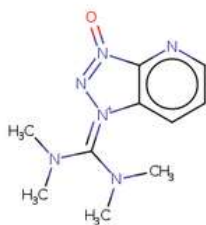
**BIS(2-METHOXYETHYL)AMINOSULFUR  
TRIFLUORIDE**  
CAS: [202289-38-1] PN: [8132-3-01]



**3,3,3-TRIFLUOROPROPYNE**  
CAS: [661-54-1] PN: [1500-3-02]



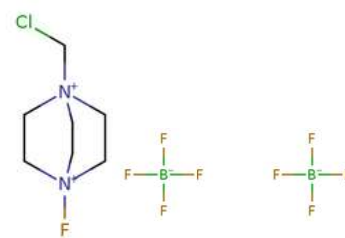
**HATU**  
CAS: [148893-10-1] PN: [8H76-3-02]



**4-FLUOROBENZOIC ACID**  
CAS: [456-22-4] PN: [2621-3-04]



**1-BROMOPERFLUROOCTANE**  
CAS: [423-55-2] PN: [1100-A-14]



**1-CHLOROMETHYL-4-FLUORO-1,4-  
DIAZONIABICYCLO[2.2.2]OCTANE  
BIS(TETRAFLUROBORATE)**  
CAS: [140681-55-6] PN: [7H32-7-14]



## Custom Synthesis