

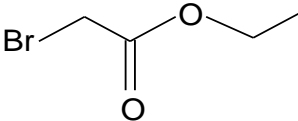
PHARMACEUTICAL (PHARMA) INTERMEDIATES:

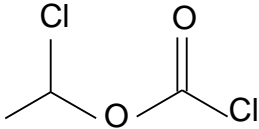
PhiChem's growing capabilities in the area of organic synthesis enables scalable and cost-effective production of key intermediates for the pharmaceutical (pharma) industry. Manufacturing of these intermediates takes place in our Anqing (Anhui Province) chemical manufacturing complex, in state-of-the-art production facilities. A representative list of intermediates has been provided below, along with chemical abstracts services number (CAS NO.) and molecular formula (MF). Please [contact us](#) to learn more about our pharma intermediates portfolio.

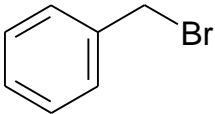
REPRESENTATIVE LIST OF PHICHEM PHARMACEUTICAL INTERMEDIATES


Ethyl Bromoacetate	CAS NO:105-36-2	MF:C ₄ H ₇ BrO ₂
1-Chloroethyl Chloroformate	CAS NO:50893-53-3	MF:C ₃ H ₄ Cl ₂ O ₂
Benzyl Bromide	CAS NO:100-39-0	MF:C ₇ H ₇ Br
1-Bromo-5-Chloropentane	CAS NO:54512-75-3	MF:C ₅ H ₁₀ BrCl
Cyclohexylbenzene	CAS NO:827-52-1	MF:C ₁₂ H ₁₆
1-chloroethylcyclohexyl carbonate	CAS NO:99464-83-2	MF:C ₉ H ₁₅ ClO ₃
1,5-Dibromopentane	CAS NO:111-24-0	MF:C ₅ H ₁₀ Br ₂
1,5-Dichloropentane	CAS NO:628-76-2	MF:C ₅ H ₁₀ Cl ₂
Cyclohexyl Chloride	CAS NO:542-18-7	MF:C ₆ H ₁₁ Cl
1-chloroethyl ethyl carbonate	CAS NO:50893-36-2	MF:C ₅ H ₉ ClO ₃
1-Chloroethyl Isopropyl Carbonate	CAS NO:98298-66-9	MF:C ₆ H ₁₁ ClO ₃
Methyl Bromoacetate	CAS NO:96-32-2	MF:C ₃ H ₅ BrO ₂
Ethyl-7-Chloro-2-Oxo-Heptanoate	CAS NO:78834-75-0	MF:C ₉ H ₁₅ ClO ₃

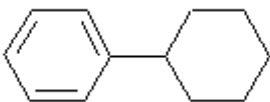
Further information on each of the above can be found in the following pages:

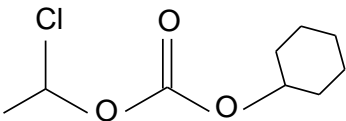
Product name:	Ethyl Bromoacetate
CAS NO:	105-36-2
Molecular weight:	167.00238
EC NO:	203-290-9
Purity:	≥99.0%
Molecular formula:	C ₄ H ₇ BrO ₂
Alias:	Bromoacetic acid ethyl ester
Structure:	


Product name:	1-Chloroethyl Chloroformate
CAS NO:	50893-53-3
Molecular weight:	142.9687
EC NO:	256-834-2
Purity:	≥99.0%
Molecular formula:	C ₃ H ₄ Cl ₂ O ₂
Alias:	1-Chloroethyl carbonochloridate
Structure:	


Product name:	Benzyl Bromide
CAS NO:	100-39-0
Molecular weight:	171.0345
EC NO:	202-847-3
Purity:	≥99.0%
Molecular formula:	C ₇ H ₇ Br
Alias:	1-Bromotoluene; Bromophenylmethane
Structure:	

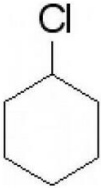
Product name:	1-Bromo-5-Chloropentane
CAS NO:	54512-75-3
Molecular weight:	185.4899
EC NO:	259-193-7
Purity:	≥99.0%
Molecular formula:	C ₅ H ₁₀ BrCl
Alias:	5-CHLOROPENTYL BROMIDE;5-BROMOPENTYL CHLORIDE;
Structure:	

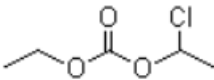
Product name:	Cyclohexylbenzene
CAS NO:	827-52-1
Molecular weight:	160.2554
EC NO:	212-572-0
Purity:	≥99.0%
Molecular formula:	C ₁₂ H ₁₆
Alias:	PHENYLCYCLOHEXANE
Structure:	

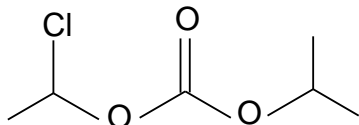
Product name:	1-chloroethylcyclohexyl carbonate
CAS NO:	99464-83-2
Molecular weight:	206.6666
EC NO:	N/A
Purity:	≥99.0%
Molecular formula:	C ₉ H ₁₅ ClO ₃
Alias:	CARBONIC ACID 1-CHLOROETHYL CYCLOHEXYL ESTER; CYCLOHEXYL 1-CHLOROETHYLCARBONATE
Structure:	

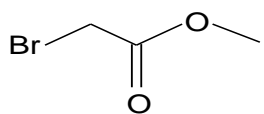
Product name:	1,5-Dibromopentane
CAS NO:	111-24-0
Molecular weight:	229.9409
EC NO:	203-849-7
Purity:	≥99.0%
Molecular formula:	C ₅ H ₁₀ Br ₂
Alias:	Pentamethylene dibromide; Pentane-1,5-dibromide
Structure:	

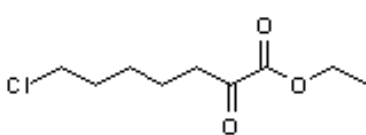
Product name:	1,5-Dichloropentane
CAS NO:	628-76-2
Molecular weight:	141.0389
EC NO:	211-053-6
Purity:	≥99.0%
Molecular formula:	C ₅ H ₁₀ Cl ₂
Alias:	Penta-methylene dichloride
Structure:	

Product name:	Cyclohexyl Chloride
CAS NO:	542-18-7
Molecular weight:	118.6045
EC NO:	208-806-6
Purity:	≥99.5%
Molecular formula:	C ₆ H ₁₁ Cl
Alias:	CHLORHEXAMETHYLENE
Structure:	

Product name:	1-chloroethyl ethyl carbonate
CAS NO:	50893-36-2
Molecular weight:	152.5762
EC NO:	256-832-1
Purity:	≥99.0%
Molecular formula:	C ₅ H ₉ ClO ₃
Alias:	1-CHLOROETHYL CARBOXYLIC ACID ETHYL ESTER
Structure:	

Product name:	1-Chloroethyl Isopropyl Carbonate
CAS NO:	98298-66-9
Molecular weight:	166.6027
EC NO:	N/A
Purity:	≥99.0%
Molecular formula:	C ₆ H ₁₁ ClO ₃
Alias:	1 CHLORO ETHYL ISPPROPYL CARBONATE (CEIC); CARBONIC ACID 1-CHLOROETHYL ISOPROPYL ESTER
Structure:	

Product name:	Methyl Bromoacetate
CAS NO:	96-32-2
Molecular weight:	152.9746
EC NO:	202-499-2
Purity:	≥99.0%
Molecular formula:	C ₃ H ₅ BrO ₂
Alias:	Bromoacetic acid methyl ester; Methyl 2-bromoacetate
Structure:	

Product name:	Ethyl-7-Chloro-2-Oxo-Heptanoate
CAS NO:	78834-75-0
Molecular weight:	206.6666
EC NO:	278-992-1
Purity:	≥98.0%
Molecular formula:	C ₉ H ₁₅ ClO ₃
Alias:	7-Chloro-2-oxoheptanoic acid ethyl ester
Structure:	 <chem>CCCCC(=O)C(=O)OCCCl</chem>