



Halogenation Reagents

INTRODUCTION

In the field of organic chemistry, halogenation reactions and their products - halogenation compounds - do play a crucial role. These reactions not only enrich the toolbox of organic synthesis, but also greatly expand the application range of halogenation compounds in complex molecular construction through modern coupling reactions such as Suzuki Miyaura and Mizoroki Neck. These coupling reactions have become indispensable tools for synthesizing complex organic molecules due to their high efficiency, good selectivity, and suitability for multiple functional groups.

It is precisely because of the importance of halogenation compounds in organic synthesis that the development and application of halogenation reagents are particularly important. Fluorinating agents, with their unique properties such as strong electronegativity and small atomic radius of fluorine atoms, have shown great potential for applications in fields such as pharmaceuticals, pesticides, and materials science. However, their reactions are often violent and require precise control of reaction conditions to ensure safety and selectivity. Chlorinating agents are widely used to introduce chlorine atoms into organic molecules, forming stable chlorinated compounds. These compounds are not only important intermediates for further reactions, but also indispensable raw materials in fields such as drug synthesis and materials science. Brominating agents have unique advantages in synthesizing complex organic molecules due to their mild reaction temperature and high activity in brominated compound coupling reactions. Iodinating agents, although relatively rare, play an irreplaceable role in specific reactions. Their high reactivity and selectivity make precise modification of complex molecules possible, while also enhancing the lipophilicity and penetrability of biologically active molecules.

Aladdin Scientific, as a leading supplier of chemical reagents in the industry, has set a benchmark in the field of chemical and biochemical reagents with excellent product quality, sufficient stock reserves, and diverse packaging specifications. We can provide over 400 high-quality halogenation reagents, all of which have undergone strict quality control and testing to ensure that each batch meets the highest purity standards, thus meeting the ultimate pursuit of experimental accuracy by researchers. We provide researchers with better, more convenient, and efficient chemical reagent solutions, and jointly promote the progress and development of scientific research.



Fluorinating Agents

Cat. NO	Product Name	CAS	Specification	Package
N159338	N-tert-Butylbenzenesulfenamide	19117-31-8	>96.0%(GC)	200mg/1g/5g/25g
B305022	4-tert-Butyl-2,6-dimethylphenylsulfur trifluoride	947725-04-4	≥ 90%	200mg/250mg/1g/5g/25g/100g
D111067	(Diethylamino)sulfur trifluoride	38078-09-0	95%	1g/5g/25g/100g/500g/1kg
D155586	1,1'-Difluoro-2,2'-bipyridinium Bis(tetrafluoroborate)	178439-26-4	95%	500g/2.5kg/10kg
F122293	N-Fluorobenzenesulfonimide	133745-75-2	97%	1g/5g/10g/25g/100g
S101457	N-Fluoro-N'-(chloromethyl)triethylenediamine Bis(tetrafluoroborate)	140681-55-6	95%	200mg/250mg/1g/5g
F139031	2-Fluoro-1-methylpyridinium p-toluenesulfonate	58086-67-2	≥ 98%	1g/10g
F156745	1-Fluoropyridinium Trifluoromethanesulfonate [Fluorinating Reagent]	107263-95-6	>96.0%	100g/250g/1kg/2.5kg/6 x 1kg
I101011	N,N-Diethyl-1,1,2,3,3,3-hexafluoropropylamine	309-88-6	92%(T)	1g/5g/25g/100g/250g/500g
M134482	Morpholinosulfur Trifluoride	51010-74-3	95%	5g/25g/100g/500g/2.5kg/10kg
P110483	Potassium hydrogen fluoride	7789-29-9	AR,99.0%	250g/1kg/50kg
T162455	Tetrabutylammonium Bifluoride	23868-34-0	>95.0%(T)	1g/5g/25g/50g/100g/500g
T162452	Tetrabutylammonium Difluorotriphenylsilicate	163931-61-1	>97.0%(T)	25g/100g/250g/500g/2.5kg/5kg
T162779	Tetrabutylammonium Difluorotriphenylstannate	139353-88-1	>97.0%(T)	100g/500g/1kg/2.5kg
T404997	Tetrabutylammonium Dihydrogen Trifluoride	99337-56-1	>90.0%(T)	10g/25g/100g/500g/2.5kg
T121585	Tetrabutylammonium fluoride hydrate	22206-57-1	98%	500g/1kg
T106822	Tetrabutylammonium fluoride solution	429-41-4 (Water)	75% in water	1g/5g/10g/25g/100g/500g
T106821	Tetrabutylammonium fluoride solution	429-41-4(THF)	1.0 M in THF	50g/100g/500g/1kg
T339206	Tetraethylammonium Fluoride Tetrahydrofluoride	145826-81-9	≥ 97%	10g
T303700	Tetraethylammonium Fluoride Trihydrofluoride	42539-97-9	97%	1g/10g
T102653	Tetramethylammonium fluoride tetrahydrate	17787-40-5	98%	5g/25g/100g/500g
T107263	Triethylamine trihydrofluoride	73602-61-6	97%	5g/25g/100g/500g/2.5kg

Chlorinating Agents

Cat. NO	Product Name	CAS	Specification	Package
B152299	Benzyltrimethylammonium Tetrachloroiodate [Chlorinating Reagent]	121309-88-4	>95.0%(T)	1g/5g

Cat. NO	Product Name	CAS	Specification	Package
C405474	Chloramine B Hydrate	304655-80-9	>80.0%(T)	25g/100g
C104061	Chloramine T trihydrate	7080-50-4	AR,>98.0%(T)	100g/250g/1kg/2.5kg/6 x 1kg
I135091	N-Chlorophthalimide	3481-09-2	≥ 95.0%	5g/25g/100g/500g
N431696	N-Chlorosuccinimide	128-09-6	Reagent Grade	250g/1kg
C118499	Cyanuric chloride	108-77-0	99%	25g/50g/100g/250g/500g/1kg/5kg
D154267	Dichloramine T	473-34-7	>96.0%(T)	5g/25g/100g/500g
D109451	Dichloromethyl methyl ether	4885-02-3	97%	1g/5g/25g/100g/250g/500g
M124203	Methoxyacetyl chloride	38870-89-2	97%	5g/10g/25g/100g/500g
O434200	Oxalyl chloride	79-37-8	Reagent Plus, ≥ 99%	5g/25g/100g/500g/2.5kg/10kg
S575058	Sodium dichloroisocyanurate	2893-78-9	85%	500g/2.5kg
T434311	Trichloroisocyanuric acid	87-90-1	for synthesis	250g/1kg/50kg
T161488	Trichloromethanesulfonyl Chloride	2547-61-7	>95.0%(T)	1g/5g/25g

Brominating Agents

Cat. NO	Product Name	CAS	Specification	Package
B152297	Benzyltrimethylammonium Tribromide [Brominating Reagent]	111865-47-5	97%	5g/25g/100g/500g
B152879	Bis(2,4,6-trimethylpyridine) bromonium Hexafluorophosphate	188944-77-6	>98.0%(HPLC)	200mg/1g/5g
B123886	Boron tribromide	10294-33-4	99.99% metals basis	1g/5g/25g/50g/100g/500g
N159711	N-Bromoacetamide	79-15-2	>97.0%(N)	1g/5g/25g/100g
B152953	Bromodimethylsulfonium Bromide	50450-21-0	98%	1g/5g/25g
N137544	N-Bromophthalimide	2439-85-2	95%	5g/25g/100g
N159708	N-Bromosaccharin	35812-01-2	>98.0%(T)	1g/5g/25g
B105057	N-Bromosuccinimide	128-08-5	AR,99.00%	25g/100g/250g/500g/2.5kg/5kg
B139244	Bromotrichloromethane	75-62-7	≥ 97%	25g/100g/500g
B152281	1-Butyl-3-methylimidazolium Tribromide	820965-08-0	98%	1g/5g
D156004	1,8-Diazabicyclo[5.4.0]-7-undecene Hydrogen Tribromide	138666-59-8	98%	1g/5g
D118556	1,3-Dibromo-5,5-dimethylhydantoin	77-48-5	97%	25g/100g/500g/2.5kg
D124674	Dibromoisocyanuric acid	15114-43-9	97%	1g/5g/25g/100g
D140272	5,5-Dibromomeldrum's Acid	66131-14-4	>98.0%(T)	1g/5g/25g
D155305	1,2-Dibromo-1,1,2,2-tetrachloroethane	630-25-1	>97.0%(GC)	1g/5g/25g/100g

Cat. NO	Product Name	CAS	Specification	Package
D155582	4-Dimethylaminopyridinium Bromide Perbromide	92976-81-3	>97.0%(T)	5g/25g/100g
M157915	Monosodium Bromoisocyanurate Hydrate	164918-61-0	>95.0%(T)	1g/5g/25g
P108402	Phosphorus tribromide	7789-60-8	99%	100g/500g/1kg/2.5kg
P160619	Pyridinium Bromide Perbromide	39416-48-3	>85.0%(T)	10g/25g/100g/500g/2.5kg
T161565	2,4,4,6-Tetrabromo-2,5-cyclohexadienone	20244-61-5	>97.0%(T)	1g/5g/25g/100g
T162059	Tetrabutylammonium Tribromide	38932-80-8	>98.0%(T)	25g/100g/500g/2.5kg
T615534	Trimethylphenylammonium tribromide	4207-56-1	90%	500g/1kg

Iodinating Agents

Cat. NO	Product Name	CAS	Specification	Package
B138050	Benzyltrimethylammonium dichloroiodate	114971-52-7	≥ 95.0%	1g/5g/10g/25g/100g/500g
C140416	1-Chloro-2-iodoethane	624-70-4	>95.0%,Contains copper as scrap stabilizer	1g/5g/25g
D154944	1,3-Diiodo-5,5-dimethylhydantoin	2232-12-4	>97.0%(T)	1g/5g/25g/100g
N159638	N,N-Dimethyl-N-(methylsul-fanylmethylene)ammonium Iodide	29085-13-0	>98.0%(T)	1g/5g/25g
H320059	Hydriodic acid	10034-85-2	57 wt. %, distilled, 99.999% trace metals basis	25g/100g/500g
I434868	Iodine	7553-56-2	Reagent Plus, ≥ 99.8% (titration)	50g/100g/500g/1kg
N159633	N-Iodosaccharin	86340-94-5	>98.0%(T)	1g/5g
I107018	N-Iodosuccinimide	516-12-1	97%	5g/10g/25g/100g/500g
P160647	Pyridine Iodine Monochloride	6443-90-9	>98.0%(T)	200mg/250mg/1g/5g/25g
T162440	Tetramethylammonium Dichloroiodate	1838-41-1	>95.0%(T)	5g/25g
T161565	2,4,4,6-Tetrabromo-2,5-cyclohexadienone	20244-61-5	>97.0%(T)	1g/5g/25g/100g
T162059	Tetrabutylammonium Tribromide	38932-80-8	>98.0%(T)	25g/100g/500g/2.5kg
T615534	Trimethylphenylammonium tribromide	4207-56-1	90%	500g/1kg



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