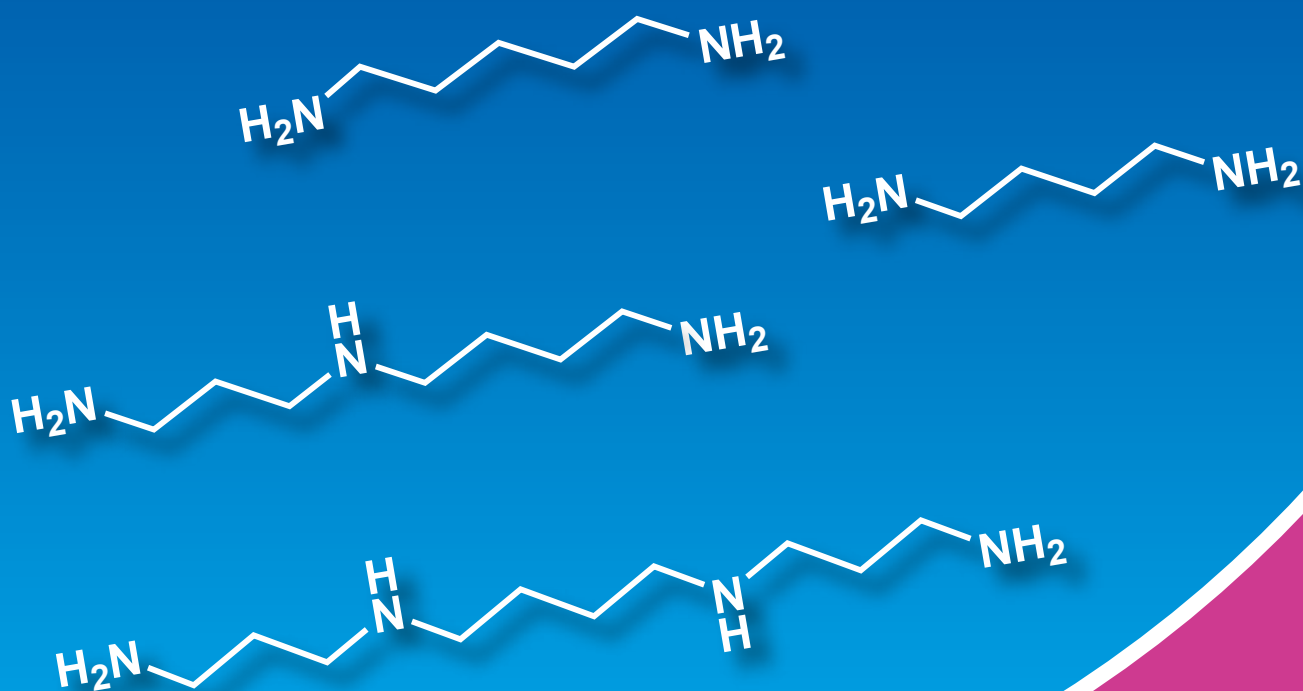


Polyamines



Polyamines

Reagents for Polyamine Synthesis

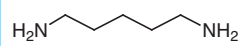
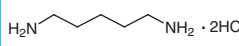
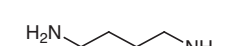
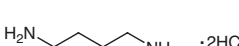
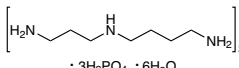
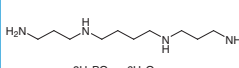
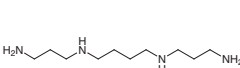
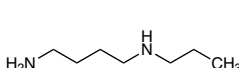
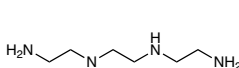
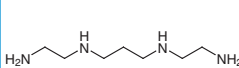
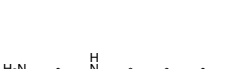




Polyamines

Polyamines are organic compounds having at least two amino groups as part of an otherwise aliphatic chain. The amino groups are usually separated by three or four methylene units, such as putrescine and spermine. Cyclen is the typical example of a class of cyclic polyamines. The polyamines are essential molecules in both eukaryotic and prokaryotic cells, and, therefore, have been isolated from all kinds of living organisms, including humans.¹⁾ Especially, the requirement for and the metabolism of polyamines are frequently dysregulated in cancer, and some polyamines can induce diseases caused by neurotoxins.²⁾ Thus, the polyamines, which are available by chemical synthesis, have been attractive for continuing with the study of diseases.³⁾

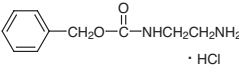
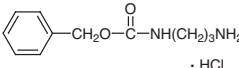
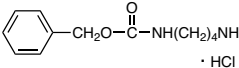
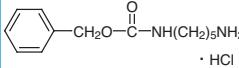
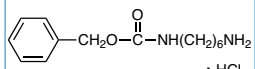
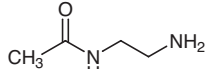
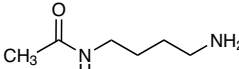
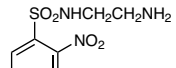
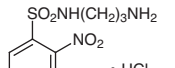
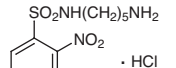
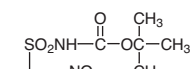
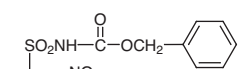
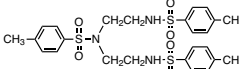
This brochure shows the typical polyamines and the reagents used for the polyamine chemical synthesis.

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Polyamines		Linear Polyamines		D0108	D0099
				5mL 25mL	5g 25g
					
				Cadaverine CAS RN: 462-94-2	Cadaverine Hydrochloride CAS RN: 1476-39-7
D0239	25g 400g	D0081	25g 500g	S0385	1g
					
Putrescine CAS RN: 110-60-1		Putrescine Dihydrochloride CAS RN: 333-93-7		Spermidine Phosphate Hexahydrate CAS RN: 49721-50-8	
				S0069	1g 5g
					
				Spermine Phosphate Hexahydrate CAS RN: 58298-97-8	
B1468	5g 25g	X0080	250mg 1g	T0429	25mL 500mL
					
Spermine Tetrahydrochloride CAS RN: 306-67-2		Xylemin Dihydrochloride CAS RN: 89690-11-9		Triethylenetetramine CAS RN: 112-24-3	
				B1445	1g 5g
					
				N,N'-Bis(2-aminoethyl)- 1,3-propanediamine CAS RN: 4741-99-5	
B1952	25mL 500mL	B1814	25g 400g	D0090	25mL 500mL
					
N,N'-Bis(3-aminopropyl)- ethylenediamine CAS RN: 10563-26-5		Bis(hexamethylene)- triamine CAS RN: 143-23-7		3,3'-Diaminodipropylamine CAS RN: 56-18-8	
				D3811	5g 25g
					
				N,N'-Dimethyl- 1,3-propanediamine CAS RN: 111-33-1	
				E0077	25mL 500mL
					
				Ethylenediamine Anhydrous CAS RN: 107-15-3	

E0081 25mL 500mL Ethylenediamine Monohydrate CAS RN: 6780-13-8	E0078 25g 500g Ethylenediamine Dihydrochloride CAS RN: 333-18-6	D0114 25mL 500mL Trimethylenediamine CAS RN: 109-76-2	T0613 25g 100g Trimethylenediamine Dihydrochloride CAS RN: 10517-44-9	D0095 25g 500g Hexamethylenediamine CAS RN: 124-09-4
D0096 25g 100g 500g Hexamethylenediamine Dihydrochloride CAS RN: 6055-52-3	D0094 5g 25g Heptamethylenediamine CAS RN: 646-19-5	D0107 25g 100g Octamethylenediamine CAS RN: 373-44-4	D0085 25g 100g Decamethylenediamine CAS RN: 646-25-3	D2075 1g 5g Undecamethylenediamine CAS RN: 822-08-2
D0091 5g 25g 100g 500g Dodecamethylenediamine CAS RN: 2783-17-7	Cyclic Polyamines		P0446 25g 500g Piperazine Anhydrous CAS RN: 110-85-0	P0447 25g 500g Piperazine Hexahydrate CAS RN: 142-63-2
P0450 25g 500g Piperazine Dihydrochloride Monohydrate CAS RN: 142-64-3	P0492 25g 500g Piperazine Phosphate Monohydrate CAS RN: 18534-18-4	P0451 25g Piperazine DL-Malate CAS RN: 14852-14-3	P0448 25g 500g Piperazine Adipate CAS RN: 142-88-1	P0449 25g 500g Piperazine Citrate Hydrate CAS RN: 144-29-6
T1878 200mg 1g 5g 1,4,7-Triazacyclononane CAS RN: 4730-54-5	T1600 1g 5g 1,4,7-Triazacyclononane Trihydrochloride CAS RN: 58966-93-1	T1691 1g 5g 1,4,8,12-Tetraazacyclopentadecane CAS RN: 15439-16-4	T1597 1g 5g Cyclam CAS RN: 295-37-4	T1874 1g 5g Cyclen CAS RN: 294-90-6
T1426 1g 5g Cyclen-4HCl CAS RN: 10045-25-7	H1215 100mg Hexacyclen Hexahydrochloride CAS RN: 58105-91-2	Reagents for Polyamine Synthesis		
N-Boc-diaminoalkanes			A1371 1g 5g 25g N-Boc-1,2-diaminoethane CAS RN: 57260-73-8	A1372 1g 5g N-Boc-1,3-diaminopropane CAS RN: 75178-96-0
A1373 1g 5g 25g N-Boc-1,4-diaminobutane CAS RN: 68076-36-8	A1374 1g 5g N-Boc-1,5-diaminopentane CAS RN: 51644-96-3	A1375 1g 5g 25g N-Boc-1,6-diaminohexane CAS RN: 51857-17-1	B2810 1g 5g N-Boc-2-methyl-1,3-diaminopropane CAS RN: 480452-05-9	B3052 1g 5g N-Boc-2,2-dimethyl-1,3-diaminopropane CAS RN: 292606-35-0

<p>N-Cbz-diamino-alkanes</p>	<p>C1511 1g 5g 25g</p>  <p><i>N</i>-Cbz-1,2-diaminoethane Hydrochloride CAS RN: 18807-71-1</p>	<p>C1512 1g 5g</p>  <p><i>N</i>-Cbz-1,3-diaminopropane Hydrochloride CAS RN: 17400-34-9</p>	<p>C1519 1g 5g</p>  <p><i>N</i>-Cbz-1,4-diaminobutane Hydrochloride CAS RN: 18807-73-3</p>	<p>C1520 1g 5g</p>  <p><i>N</i>-Cbz-1,5-diaminopentane Hydrochloride CAS RN: 18807-74-4</p>
	<p>C1521 1g 5g</p>  <p><i>N</i>-Cbz-1,6-diaminohexane Hydrochloride CAS RN: 78618-06-1</p>	<p>N-Ac-diamino-alkanes</p>	<p>A0887 5g 25g</p>  <p><i>N</i>-Acetylenediamine CAS RN: 1001-53-2</p>	<p>A2392 5g</p>  <p><i>N</i>-Acetyl-1,4-butanediamine CAS RN: 5699-41-2</p>
<p>N-(o-Ns)-diamino-alkanes</p>	<p>A2329 1g</p>  <p><i>N</i>-(<i>o</i>-Ns)-1,2-diaminoethane Hydrochloride CAS RN: 92504-03-5</p>		<p>A2268 1g 5g</p>  <p><i>N</i>-(<i>o</i>-Ns)-1,3-diaminopropane Hydrochloride CAS RN: 863983-46-4</p>	<p>A1661 1g</p>  <p><i>N</i>-(<i>o</i>-Ns)-1,5-diaminopentane Hydrochloride CAS RN: 437718-20-2</p>
	<p>B2303 1g 5g 25g</p>  <p><i>N</i>-Boc-2-nitrobenzenesulfonamide CAS RN: 198572-71-3</p>	<p>C1757 5g 25g</p>  <p><i>N</i>-Cbz-2-nitrobenzenesulfonamide CAS RN: 245365-64-4</p>	<p>N-Ts-amines</p>	<p>T1723 25g</p>  <p><i>N,N',N''</i>-Tritosyl-diethylenetriamine CAS RN: 56187-04-3</p>

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