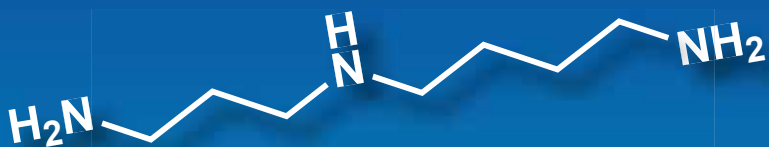


# 多胺

## Polyamines



多胺

多胺合成用试剂

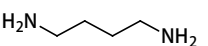
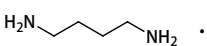
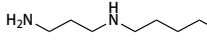
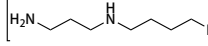
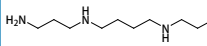
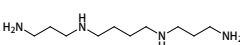
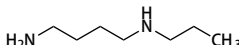
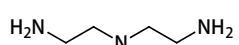
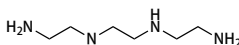
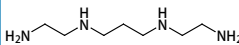
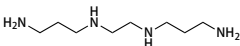
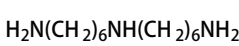
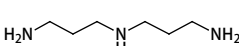
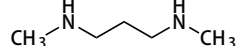
# 多胺

多胺是脂肪族链上至少有两个氨基的有机化合物。氨基一般由三四个亚甲基分隔，如腐胺和精胺。轮环藤宁是典型的环多胺。多胺是真核细胞和原核细胞中的必需分子，已从包括人类在内的各种生物中分离出来<sup>1)</sup>。特别是在癌症中，多胺的代谢经常失调，一些多胺可诱发神经毒素引起的疾病<sup>2)</sup>。因此，可通过化学合成获得的多胺对继续研究疾病具有吸引力<sup>3)</sup>。

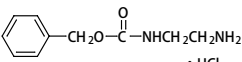
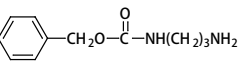
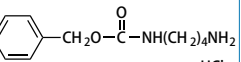
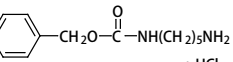
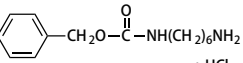
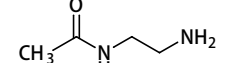
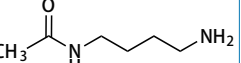
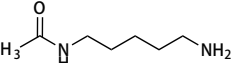
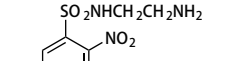
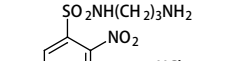
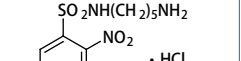
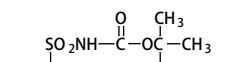
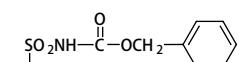

本手册介绍了典型的多胺和用于多胺化学合成的试剂。

## 参考文献

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多胺 Polyamines		线性多胺 Linear Polyamines		D0108 5mL 25mL	D0099 5g 25g
D0239 25g 400g	D0081 25g 500g	S0068 1g 5g	S0385 1g	S0069 1g 5g	
 Putrescine CAS RN: 110-60-1	 Putrescine Dihydrochloride CAS RN: 333-93-7	 Spermidine Phosphate CAS RN: 259244-14-9	 Spermidine Phosphate Hexahydrate CAS RN: 49721-50-8	 Spermine Phosphate Hexahydrate CAS RN: 58298-97-8	
B1468 5g 25g	X0080 250mg 1g	D0493 5mL 25mL 500mL	T0429 25mL 500mL	B1445 1g 5g	
 Spermine Tetrahydrochloride CAS RN: 306-67-2	 Xylemin Dihydrochloride CAS RN: 89690-11-9	 Diethylenetriamine CAS RN: 111-40-0	 Triethylenetetramine CAS RN: 112-24-3	 N,N'-Bis(2-aminoethyl)- 1,3-propanediamine CAS RN: 4741-99-5	
B1952 25mL 500mL	B1814 25g 400g	D0090 25mL 500mL	D3811 5g 25g		
 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	 N,N'-Dimethyl- 1,3-propanediamine CAS RN: 111-33-1		

<b>E0081</b> 25mL 500mL  Ethylenediamine Monohydrate CAS RN: 6780-13-8	<b>E0078</b> 25g 500g  Ethylenediamine Dihydrochloride CAS RN: 333-18-6	<b>D0114</b> 25mL 500mL  Trimethylenediamine CAS RN: 109-76-2	<b>T0613</b> 25g 100g  Trimethylenediamine Dihydrochloride CAS RN: 10517-44-9	<b>D0095</b> 25g 500g  Hexamethylenediamine CAS RN: 124-09-4
<b>D0096</b> 25g 100g 500g  Hexamethylenediamine Dihydrochloride CAS RN: 6055-52-3	<b>D0094</b> 5g 25g  Heptamethylenediamine CAS RN: 646-19-5	<b>D0107</b> 25g 100g  Octamethylenediamine CAS RN: 373-44-4	<b>D0085</b> 25g 100g  Decamethylenediamine CAS RN: 646-25-3	<b>D2075</b> 1g 5g  Undecamethylenediamine CAS RN: 822-08-2
<b>D0091</b> 5g 25g 100g 500g  Dodecamethylenediamine CAS RN: 2783-17-7	<b>环状多胺</b> Cyclic Polyamines		<b>P0446</b> 25g 500g  Piperazine Anhydrous CAS RN: 110-85-0	<b>P0447</b> 25g 500g  Piperazine Hexahydrate CAS RN: 142-63-2
<b>P0450</b> 25g 500g  Piperazine Dihydrochloride Monohydrate CAS RN: 142-64-3	<b>P0492</b> 25g 500g  Piperazine Phosphate Monohydrate CAS RN: 18534-18-4	<b>P0451</b> 25g  Piperazine DL-Malate CAS RN: 14852-14-3	<b>P0448</b> 25g 500g  Piperazine Adipate CAS RN: 142-88-1	<b>P0449</b> 25g 500g  Piperazine Citrate Hydrate CAS RN: 144-29-6
<b>T1878</b> 200mg 1g 5g  1,4,7-Triazacyclononane CAS RN: 4730-54-5	<b>T1600</b> 1g 5g  1,4,7-Triazacyclononane Trihydrochloride CAS RN: 58966-93-1	<b>T1691</b> 1g 5g  1,4,8,12-Tetraazacyclopentadecane CAS RN: 15439-16-4	<b>T1597</b> 1g 5g  Cyclam CAS RN: 295-37-4	<b>T1874</b> 1g 5g  Cyclen CAS RN: 294-90-6
<b>T1426</b> 1g 5g  Cyclen-4HCl CAS RN: 10045-25-7	<b>H1215</b> 100mg  Hexacyclen Hexahydrochloride CAS RN: 58105-91-2	<b>多胺合成用试剂</b> Reagents for Polyamine Synthesis		
<b>N-Boc-二氨基烷烃</b> N-Boc-diamino-alkanes			<b>A1371</b> 1g 5g 25g  N-Boc-1,2-diaminoethane CAS RN: 57260-73-8	<b>A1372</b> 1g 5g  N-Boc-1,3-diaminopropane CAS RN: 75178-96-0
<b>A1373</b> 1g 5g 25g  N-Boc-1,4-diaminobutane CAS RN: 68076-36-8	<b>A1374</b> 1g 5g  N-Boc-1,5-diaminopentane CAS RN: 51644-96-3	<b>A1375</b> 1g 5g 25g  N-Boc-1,6-diaminohexane CAS RN: 51857-17-1	<b>B2810</b> 1g 5g  N-Boc-2-methyl-1,3-diaminopropane CAS RN: 480452-05-9	<b>B3052</b> 1g 5g  N-Boc-2,2-dimethyl-1,3-diaminopropane CAS RN: 292606-35-0

<p><b>N-Cbz-二氨基烷烃</b> <b>N-Cbz-diamino-alkanes</b></p>	<p><b>C1511</b> 1g 5g 25g</p>  <p><i>N</i>-Cbz-1,2-diaminoethane Hydrochloride CAS RN: 18807-71-1</p>	<p><b>C1512</b> 1g 5g</p>  <p><i>N</i>-Cbz-1,3-diaminopropane Hydrochloride CAS RN: 17400-34-9</p>	<p><b>C1519</b> 1g 5g</p>  <p><i>N</i>-Cbz-1,4-diaminobutane Hydrochloride CAS RN: 18807-73-3</p>	<p><b>C1520</b> 1g 5g</p>  <p><i>N</i>-Cbz-1,5-diaminopentane Hydrochloride CAS RN: 18807-74-4</p>
<p><b>C1521</b> 1g 5g</p>  <p><i>N</i>-Cbz-1,6-diaminohexane Hydrochloride CAS RN: 78618-06-1</p>	<p><b>N-Ac-二氨基烷烃</b> <b>N-Ac-diamino-alkanes</b></p>	<p><b>A0887</b> 5g 25g</p>  <p><i>N</i>-Acetylenediamine CAS RN: 1001-53-2</p>	<p><b>A2392</b> 5g</p>  <p><i>N</i>-Acetyl-1,4-butanediamine CAS RN: 5699-41-2</p>	<p><b>A2393</b> 5g</p>  <p><i>N</i>-Acetyl-1,5-pentanediamine CAS RN: 32343-73-0</p>
<p><b>N-(o-Ns)-二氨基烷烃</b> <b>N-(o-Ns)-diamino-alkanes</b></p>	<p><b>A2329</b> 1g</p>  <p><i>N</i>-(<i>o</i>-Ns)-1,2-diaminoethane Hydrochloride CAS RN: 92504-03-5</p>	<p><b>A2268</b> 1g 5g</p>  <p><i>N</i>-(<i>o</i>-Ns)-1,3-diaminopropane Hydrochloride CAS RN: 863983-46-4</p>	<p><b>A1661</b> 1g</p>  <p><i>N</i>-(<i>o</i>-Ns)-1,5-diaminopentane Hydrochloride CAS RN: 437718-20-2</p>	<p><b>N-(o-Ns)-胺</b> <b>N-(o-Ns)-amines</b></p>
<p><b>B2303</b> 1g 5g 25g</p>  <p><i>N</i>-Boc-2-nitrobenzenesulfonamide CAS RN: 198572-71-3</p>	<p><b>C1757</b> 5g 25g</p>  <p><i>N</i>-Cbz-2-nitrobenzenesulfonamide CAS RN: 245365-64-4</p>	<p><b>N-Ts-胺</b> <b>N-Ts-amines</b></p>	<p><b>T1723</b> 25g</p>  <p><i>N,N',N''</i>-Tritosyl-diethylenetriamine CAS RN: 56187-04-3</p>	

**TCI 梯希爱(上海)化成工业发展有限公司**

试剂热线: 800-988-0390或021-67121386

大包装热线: 800-988-1865

传真: 021-67121385

邮箱: Sales-CN@TCIchemicals.com

地址: 上海化学工业区普工路96号

邮编: 201507

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