



**Product Catalogue  
... Building Blocks**

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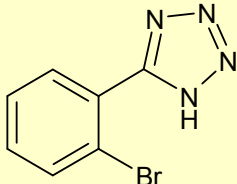
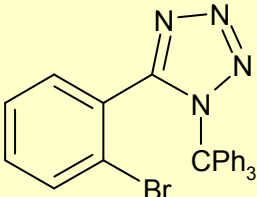
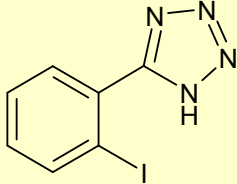
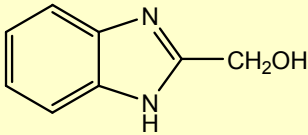
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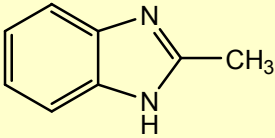
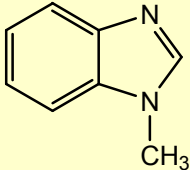
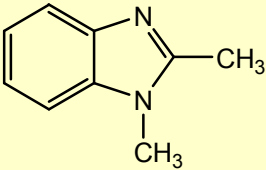
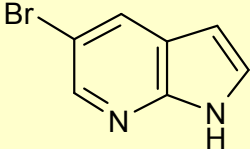
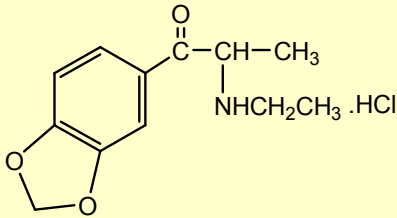


## Calyx Product Catalogue ... Building Blocks \*

Pd Code	Product	Structure	Properties	Purity	Qty ... Price†
001.	5-(2-Bromophenyl)-1H-tetrazole	 <p>[73096-42-1] C<sub>7</sub>H<sub>5</sub>BrN<sub>4</sub>, 225.36</p>	M.P.: 180-184°C Description: White to light buff solid	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg...
002.	N-(Triphenylmethyl)-5-(2-bromophenyl)-1H-tetrazole	 <p>[143945-72-6] C<sub>26</sub>H<sub>19</sub>BrN<sub>4</sub>, 467.36</p>	M.P.: 160-162°C Description: White to off white solid	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg...
003.	5-(2-Iodophenyl)-1H-tetrazole  Trityl derivative is also available	 <p>[73096-40-9] C<sub>7</sub>H<sub>5</sub>IN<sub>4</sub>, 272.05</p>	M.P.: 209-217°C Description: White to light buff solid	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg...
004.	2-Hydroxymethyl benzimidazole	 <p>[4856-97-7] C<sub>8</sub>H<sub>8</sub>N<sub>2</sub>O, 148.16</p>	M.P.: 171-175°C Description: Light brown powder	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg...

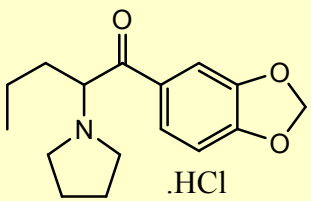
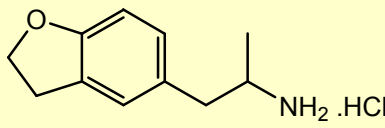
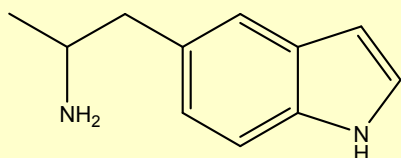
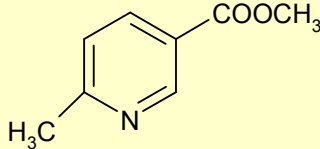
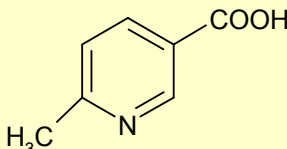


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Pd Code	Product	Structure	Properties	Purity	Qty ... Price†
005.	2-Methyl benzimidazole	 <p>[615-15-6] C<sub>8</sub>H<sub>8</sub>N<sub>2</sub>, 132.16</p>	M.P.: 175-177°C Description: Light brown powder	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg...
006.	1-Methyl benzimidazole	 <p>[1632-83-3] C<sub>8</sub>H<sub>8</sub>N<sub>2</sub>, 132.16</p>	M.P.: 59-62 °C Description: White to off white low melting solid / flakes	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg...
007.	1,2-Dimethyl benzimidazole	 <p>[2876-08-6] C<sub>9</sub>H<sub>10</sub>N<sub>2</sub>, 146.19</p>	M.P.: 110-113 °C Description: Light brown powder	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg...
008.	5-Bromo azaindole	 <p>[183208-35-7] C<sub>7</sub>H<sub>5</sub>BrN<sub>2</sub>, 197.03</p>	M.P.: 174-178°C Description: Brown colour powder	NLT 97%	10 gm .... 100 gm ... 1 Kg ... 100 Kg...
009.	2-Ethylamino-1-(3,4-methylenedioxy-phenyl) propan-1-one hydrochloride	 <p>C<sub>12</sub>H<sub>15</sub>NO<sub>3</sub>.HCl, 257.73</p>	M.P.: 232-236°C Description: Off-white to light yellow solid	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg...



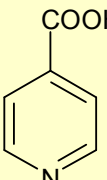
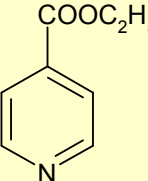
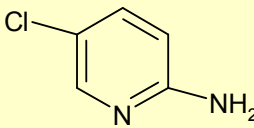
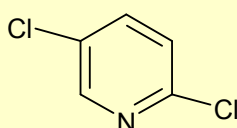
## Calyx Product Catalogue ... Building Blocks\*

Pd Code	Product	Structure	Properties	Purity	Qty ... Price†
010.	1-(3,4-Methylenedioxyphenyl)-2-pyrrolidino-1-pentanone hydrochloride (Valerophenone)	 <p style="text-align: center;">.HCl [24622-62-6] C<sub>16</sub>H<sub>21</sub>NO<sub>3</sub>.HCl, 311.84</p>	M.P.: 225-229°C Description: White to off white solid	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg ...
011.	5-(2-Aminopropyl)-2,3-dihydrobenzofuran hydrochloride	 <p style="text-align: center;">.HCl [152623-94-4] C<sub>11</sub>H<sub>15</sub>NO.HCl, 213.74</p>	M.P.: 223-229°C Description: White to off white solid	NLT 98%	10 gm .... 100 gm ... 1 Kg ...
012.	5-(2-Aminopropyl)indole	 <p style="text-align: center;">[3784-30-3] C<sub>11</sub>H<sub>14</sub>N<sub>2</sub>, 174.24</p>	M.P.: 97- 101°C Description: Off white to pale yellow solid	NLT 98%	10 gm .... 100 gm ... 1 Kg ...
013.	Methyl 6-methyl nicotinate	 <p style="text-align: center;">[5470-70-2] C<sub>8</sub>H<sub>9</sub>NO<sub>2</sub>, 151.16</p>	Description: Yellow solid below 34°C	NLT 97%	10 gm .... 100 gm ... 1 Kg ... 100 Kg...
014.	6-Methyl nicotinic acid	 <p style="text-align: center;">[3222-47-7] C<sub>7</sub>H<sub>7</sub>NO<sub>2</sub>, 137.14</p>	M.P 212-216°C Description: White crystalline powder	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg...



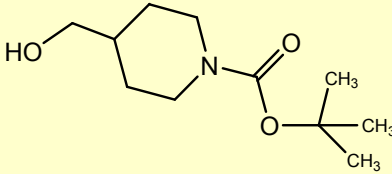
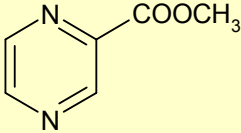
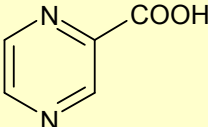
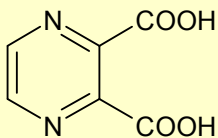
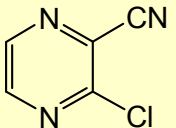


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Pd Code	Product	Structure	Properties	Purity	Qty ... Price†
015.	Isonicotinic acid	 <p style="text-align: center;">[55-22-1] C<sub>6</sub>H<sub>5</sub>NO<sub>2</sub>, 123.11</p>	M.P.: > 300°C Description: White to off white powder	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg ...
016.	Ethyl isonicotinate	 <p style="text-align: center;">[1570-45-2] C<sub>8</sub>H<sub>9</sub>NO<sub>2</sub>, 151.16</p>	Description: Clear colourless liquid	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg...
017.	2-Amino-5-chloropyridine	 <p style="text-align: center;">[1072-98-6] C<sub>5</sub>H<sub>5</sub>ClN<sub>2</sub>, 128.56</p>	M.P.: 133-135°C Description: White to almost white crystalline powder	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg ...
018.	2,5-Dichloropyridine	 <p style="text-align: center;">[16110-09-1] C<sub>5</sub>H<sub>3</sub>Cl<sub>2</sub>N, 147.99</p>	M.P.: 58- 62°C Description: Off white to pale yellow powder	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg ...



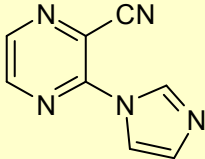
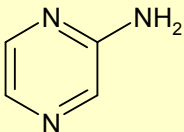
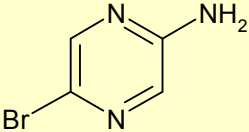
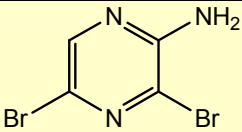
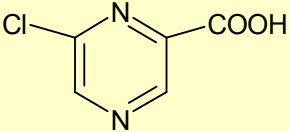
## Calyx Product Catalogue ... Building Blocks\*

Pd Code	Product	Structure	Properties	Purity	Qty ... Price†
019.	N-BOC-4-piperidine methanol	 <p style="text-align: center;">[123855-51-6] C<sub>11</sub>H<sub>21</sub>NO<sub>3</sub>, 215</p>	M.P.: 78- 82°C Description: Off-white to white solid	NLT 98%	10 gm .... 100 gm ... 1 Kg ...
020.	Pyrazine-2-carboxylic acid methyl ester	 <p style="text-align: center;">[6164-79-0] C<sub>6</sub>H<sub>6</sub>N<sub>2</sub>O<sub>2</sub>, 138.12</p>	M.P.: 58- 65°C Description: White powder	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg...
021.	Pyrazine-2-carboxylic acid	 <p style="text-align: center;">[98-97-5] C<sub>5</sub>H<sub>4</sub>N<sub>2</sub>O<sub>2</sub>, 124.10</p>	M.P.: About 220°C (dec) Description: White to off white solid	NLT 99%	10 gm .... 100 gm ... 1 Kg ... 100 Kg ...
022.	Pyrazine-2,3-dicarboxylic acid	 <p style="text-align: center;">[89-01-0] C<sub>6</sub>H<sub>4</sub>N<sub>2</sub>O<sub>4</sub>, 168.11</p>	M.P.: 182-184°C Description: White to almost white crystalline powder	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg ...
023.	3-Chloropyrazine-2-carbonitrile	 <p style="text-align: center;">[55557-52-3] C<sub>5</sub>H<sub>2</sub>ClN<sub>3</sub>, 139.54</p>	M.P.: 43-47°C Description: Low melting solid	NLT 97%	10 gm .... 100 gm ... 1 Kg ... 100 Kg...

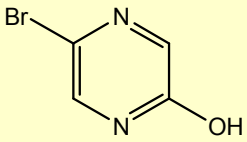
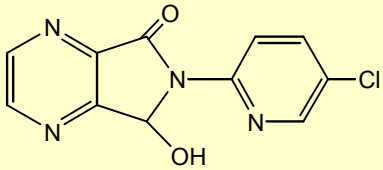
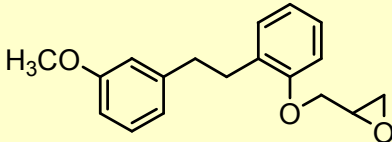
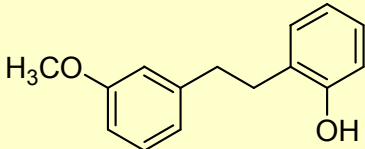
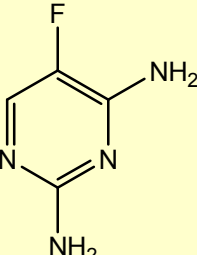




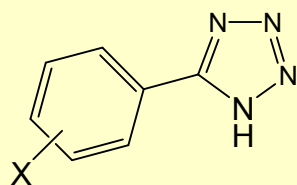
## Calyx Product Catalogue ... Building Blocks\*

Pd Code	Product	Structure	Properties	Purity	Qty ... Price†
024.	3-(Imidazol-1-yl) pyrazine-2-carbonitrile	 <p>[342412-44-6] C<sub>8</sub>H<sub>5</sub>N<sub>5</sub>, 171.16</p>	M.P.: 83-86°C Description: Yellow brown solid	NLT 97%	10 gm .... 100 gm ... 1 Kg ... 100 Kg...
025.	2-Amino pyrazine	 <p>[5049-61-6] C<sub>4</sub>H<sub>5</sub>N<sub>3</sub>, 95.10</p>	M.P.: 118-120°C Description: Almost white to light yellow solid	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg ...
026.	2-Amino-5-bromo-pyrazine	 <p>[59489-71-3] C<sub>4</sub>H<sub>4</sub>BrN<sub>3</sub>, 174.00</p>	M.P.: 111-115°C Description: Yellow colour powder	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg...
027.	2-Amino-3,5-dibromopyrazine	 <p>[24241-18-7] C<sub>4</sub>H<sub>3</sub>Br<sub>2</sub>N<sub>3</sub>, 252.89</p>	M.P.: 106-112°C Description: Yellow powder	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg ...
028.	2-Chloro-6-pyrazine carboxylic acid	 <p>[23688-89-3] C<sub>5</sub>H<sub>3</sub>N<sub>2</sub>O<sub>2</sub>Cl, 158.54</p>	M.P.: 152-156°C Description: Buff colour powder	NLT 95%	10 gm .... 100 gm ... 1 Kg ...

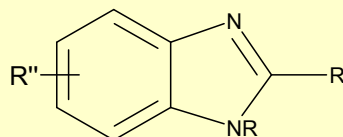
## Calyx Product Catalogue ... Building Blocks \*

Pd Code	Product	Structure	Properties	Purity	Qty ... Price†
029.	5-Bromo-2-hydroxypyrazine	 <p>[374063-92--0] C<sub>4</sub>H<sub>3</sub>BrN<sub>2</sub>O, 174.98</p>	M.P.: 100-105°C Description: Buff to brown solid	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg ...
030.	6-(5-chloropyrid-2-yl) 5-hydroxy-7-oxo-5,6-dihydropyrrolo-[3,4-b]-pyrazine	 <p>[43200-81-3] C<sub>11</sub>H<sub>7</sub>ClN<sub>4</sub>O<sub>2</sub>, 262.65</p>	M.P.: 235-240°C Description: White to pale yellow powder	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg ...
031.	2-{2-[2-(3-Methoxyphenyl)-ethyl]phenoxy-methyl} oxirane	 <p>C<sub>18</sub>H<sub>20</sub>O<sub>3</sub>, 284.35</p>	Description: Yellowish orange colour liquid.	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg ...
032.	3-Methoxy-2'-(phenylethyl) phenol	 <p>[167145-13-3] C<sub>15</sub>H<sub>16</sub>O<sub>2</sub>, 228.29</p>	Description: Light yellow colour viscous liquid.	NLT 98%	10 gm .... 100 gm ... 1 Kg ... 100 Kg ...
033.	2,4-Diamino-5-fluoropyrimidine	 <p>C<sub>4</sub>H<sub>5</sub>NF<sub>4</sub>, 128</p>	M.P.: 215-220°C Description: White to pale yellow solid	NLT 98%	10 gm .... 100 gm ...

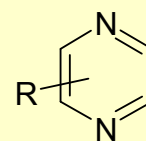




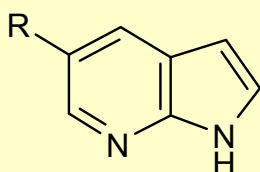
X= Cl, Br, I  
**Tetrazoles**



R= -H, -Me,  
R'= -H, -CH<sub>2</sub>OH, -CH<sub>2</sub>Cl,  
-Me,  
R''= -H, NO<sub>2</sub>  
**Benzimidazoles**

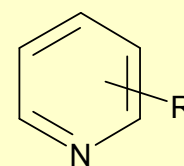


**Pyrazines**

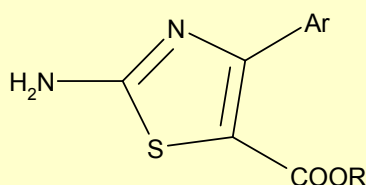


R= -OH, -X  
**Azaindoles**

**Analogue  
Derivatives**

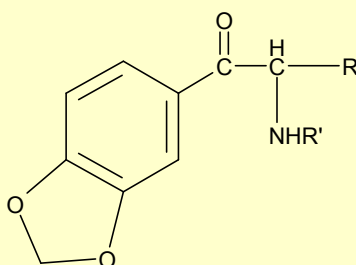


**Pyridines**



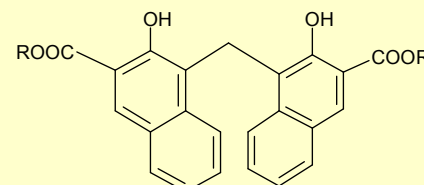
Ar = -Ph  
R= -H, -Et

**Thiazoles**



R= -Me, -Et  
R'= -Me, -Et

**Methylenedioxy phenyl  
derivatives**



R= -H, -Me, -Et

**Methylenebinaphthols**

\* The technical and physical manufacturing capabilities exist with us for these intermediates. However, these products will be offered only to the markets where any product or process patents are not infringing. During the validity of a patent the research quantities for developing products for regulatory submissions will be offered only to countries where such exemption exists (Hatch Waxman / Bolar exemption). While Calyx offers to work with the clients on Patent Status Verification, the final responsibility vests with the buyer. Recipients are requested to make their evaluation and determination as to the patent status prior to their use of the information or materials in their respective jurisdiction

† Prices are available on request

Issued on January 2010