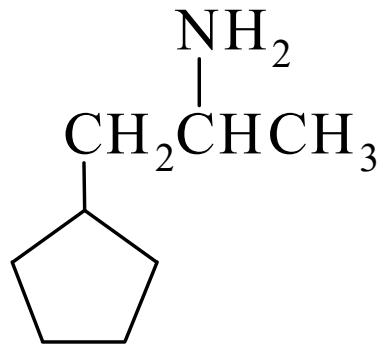
>>**Entry Name: 2-Amino-1-cyclopentylpropane**
**Synonym(s):** α-Methylcyclopentaneethanamine, 9CI. 1-Cyclopentyl-2-propylamine



**CAS Registry Number:** 105-23-7

**Molecular Formula:** $C_8H_{17}N$
**Molecular Weight:** 127.229
**Accurate Mass:** 127.136099
**Percentage Composition:** C 75.52%; H 13.47%; N 11.01%

>>**Variant:** (±)-form

**Molecular Formula:** $C_8H_{17}N$
**Molecular Weight:** 127.229
**Accurate Mass:** 127.136099
**Percentage Composition:** C 75.52%; H 13.47%; N 11.01%
**Physical Description:** Oil
**Boiling Point:** $Bp_{18}$ 61°

>>**Derivative:** *N*-Me
**Synonym(s):** *N*,α-Dimethylcyclopentaneethanamine, 9CI. **Cyclopentamine,** BAN, INN. 1-Cyclopentyl-2-methylaminopropane. Clopane. Cyclonarol. Cyklosan. Nazett. Sinos-active substance. L 02040

**CAS Registry Number:** 102-45-4

**Molecular Formula:** $C_9H_{19}N$
**Molecular Weight:** 141.256
**Accurate Mass:** 141.151749
**Percentage Composition:** C 76.53%; H 13.56%; N 9.92%
**Use/Importance:** Ophthalmic adrenergic agent and vasoconstrictor. Formerly used as a nasal decongestant
**Boiling Point:** Bp 169-173°. $Bp_{30}$ 83-86°
**Refractive Index:** $n_D^{25}$ 1.4500
**Calculated Log P Data:** Log P 2.41 (calc)

>>**Derivative:** *N*-Me; hydrochloride
**Synonym(s): Cyclopentamine hydrochloride,** USAN

**CAS Registry Number:** 3459-06-1
**Physical Description:** Cryst. with bitter taste
**Melting Point:** Mp 113-115°
**Solubility:** Sol. $H_2O$

>>**Derivative:** *N,N*-Di-Me
**Synonym(s):** 1-Cyclopentyl-2-dimethylaminopropane

**Molecular Formula:** $C_{10}H_{21}N$
**Molecular Weight:** 155.283
**Accurate Mass:** 155.167399
**Percentage Composition:** C 77.35%; H 13.63%; N 9.02%
**Boiling Point:** $Bp_{18}$ 86°

**References:**

*U.S. Pat.*, 1951, 2 520 015; *CA*, **45**, 647, *(deriv)*
Graber, G.M. *et al.*, *Arch. Int. Pharmacodyn. Ther.*, 1957, **113**, 27, *(use, deriv)*
Mousseron, M. *et al.*, *Bull. Soc. Chim. Fr.*, 1957, 600, *(synth)*
Sunshine, I. *et al.*, *J. Forensic Sci.*, 1966, **11**, 428, *(tlc, deriv)*
Ghouri, M.S.K. *et al.*, *J. Pharm. Sci.*, 1968, **58**, 882, *(pharmacol)*
*Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press*, 1993, 1241