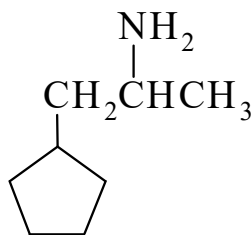




>>Entry Name: **2-Amino-1-cyclopentylpropane**

Synonym(s): α -Methylcyclopentaneethanamine, 9CI. 1-Cyclopentyl-2-propylamine



CAS Registry Number: 105-23-7

Molecular Formula: C₈H₁₇N

Molecular Weight: 127.229

Accurate Mass: 127.136099

Percentage Composition: C 75.52%; H 13.47%; N 11.01%

>>**Variant:** ($\pm$)-form

Molecular Formula: C₈H₁₇N

Molecular Weight: 127.229

Accurate Mass: 127.136099

Percentage Composition: C 75.52%; H 13.47%; N 11.01%

Physical Description: Oil

Boiling Point: Bp₁₈ 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: C₉H₁₉N

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°. Bp₃₀ 83-86°

Refractive Index: n_D²⁵ 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. H₂O

>>**Derivative:** *N,N*-Di-Me

Synonym(s): 1-Cyclopentyl-2-dimethylaminopropane

Molecular Formula: C₁₀H₂₁N

Molecular Weight: 155.283

Accurate Mass: 155.167399

Percentage Composition: C 77.35%; H 13.63%; N 9.02%

Boiling Point: Bp₁₈ 86°

References:

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Ghouri, M.S.K. *et al.*, *J. Pharm. Sci.*, 1968, **58**, 882, (*pharmacol*)

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