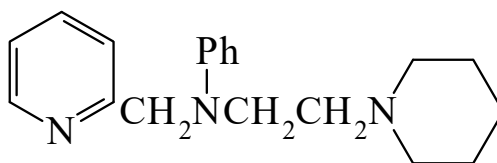




>>Entry Name: Picoperine, INN

Synonym(s): *N*-Phenyl-*N*-[2-(1-piperidiny)ethyl]-2-pyridinemethanamine, 9Cl. 1-[2-[*N*-(2-Pyridylmethyl)anilino]ethyl]piperidine, 8Cl. Picoperidamine. TAT-3



CAS Registry Number: 21755-66-8

Molecular Formula: C₁₉H₂₅N₃

Molecular Weight: 295.427

Accurate Mass: 295.204847

Percentage Composition: C 77.25%; H 8.53%; N 14.22%

Use/Importance: Antitussive agent

Physical Description: Pale yellow liq.

Development Status: No longer marketed

Boiling Point: Bp₄ 195-196°

Calculated Log P Data: Log P 3.82 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 806 mg/kg. LD₅₀ (mus, orl) 195 mg/kg. LD₅₀ (mus, scu) 210 mg/kg

>>Derivative: Hydrochloride

Synonym(s): Picoperidamine hydrochloride, JAN. Coben

CAS Registry Number: 24699-40-9

Physical Description: Cryst. with sl. bitter taste

Melting Point: Mp 183-185° (196-197°)

Hazard & Toxicity: LD₅₀ (rat, orl) 740 mg/kg. LD₅₀ (rat, ipr) 69 mg/kg. LD₅₀ (rat, scu) 480 mg/kg

>>Derivative: Tripalmitate

Synonym(s): Picoperidamine palmitate, JAN. Coben P

CAS Registry Number: 24656-22-2

Physical Description: Cryst. powder

Melting Point: Mp 57-60°

Hazard & Toxicity: LD₅₀ (rat, orl) 2900 mg/kg. LD₅₀ (rat, ipr) 299 mg/kg

>>Derivative: Fumarate

CAS Registry Number: 29065-18-7

Melting Point: Mp 144-146°

References:

Kasé, Y. *et al.*, *Arzneim.-Forsch.*, 1969, **19**, 1916; 1970, **20**, 37, (*pharmacol*)

Miyano, S. *et al.*, *J. Med. Chem.*, 1970, **13**, 704, (*synth, pharmacol*)

Japan. Pat., 1971, *Takeda*, 71 12 450; *CA*, **75**, 63615y, (*synth, fumarate*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, CNE375; PIC100