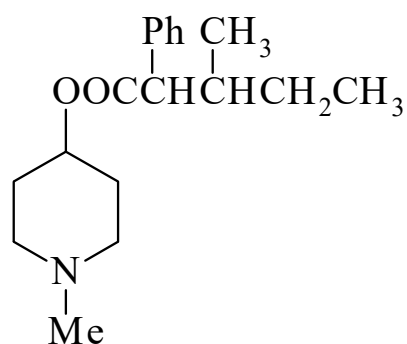




>>Entry Name: Pentapiperide, BAN, INN

Synonym(s): 1-Methyl-4-piperidiny1 α -(1-methylpropyl)benzeneacetate, 9CI



CAS Registry Number: 7009-54-3

Related CAS Registry Numbers(s): 26372-86-1

Molecular Formula: $C_{18}H_{27}NO_2$

Molecular Weight: 289.417

Accurate Mass: 289.204179

Percentage Composition: C 74.70%; H 9.40%; N 4.84%; O 11.06%

Use/Importance: Anticholinergic, antispasmodic

Physical Description: Oil

Boiling Point: $Bp_{0.005}$ 102-104°

Calculated Log P Data: Log P 3.66 (calc)

>>Derivative: Hydrochloride

Melting Point: Mp 85-86°

>>Derivative: Fumarate (1:1)

Synonym(s): Pentapiperide fumarate. **Lyspafen**‡. C 4675

CAS Registry Number: 635-32-5

Melting Point: Mp 91-93°

Aldrich: 24377-9

>>Derivative: Methobromide

Physical Description: Cryst.

Melting Point: Mp 138-140°

>>Derivative: Dimethylsulfate

Synonym(s): 1,1-Dimethyl-4-[(3-methyl-1-oxo-2-phenylpentyl)oxy]piperidinium sulfate. Pentapiperium methylsulfate, INN, USAN. Valpipamate methyl sulfate. Crilin. Crylene. Hycholin. Perium. Quilene. AY 5810

CAS Registry Number: 7681-80-3

Molecular Formula: $C_{20}H_{33}NO_6S$

Molecular Weight: 415.55

Accurate Mass: 415.202859

Percentage Composition: C 57.81%; H 8.00%; N 3.37%; O 23.10%; S 7.72%

Melting Point: Mp 110-112°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 1230A, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 285D, (ir)

U.K. Pat., 1957, 781 382; *CA*, **52**, 2087, (synth, pharmacol)

Fleisch, A. *et al.*, *Arzneim.-Forsch.*, 1961, **11**, 1119, (synth)

Formanek, K. *et al.*, *Arzneim.-Forsch.*, 1963, **13**, 66, (pharmacol)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 430