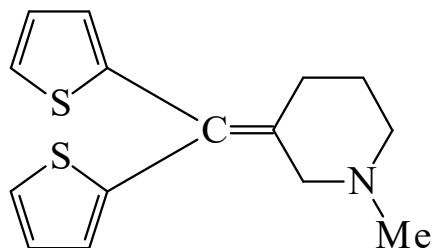




>>Entry Name: **Tipecidine**, INN

Synonym(s): 3-(Di-2-thienylmethylene)-1-methylpiperidine, 9Cl, 8Cl. Asverin. Antupex. Asvelik. Asvex. Bitiodin. Cofdenin A. Hustel. Nodal. Sotal. AT 327. CR 662



CAS Registry Number: 5169-78-8

Related CAS Registry Numbers(s): 14698-07-8

Molecular Formula: C₁₅H₁₇NS₂

Molecular Weight: 275.438

Accurate Mass: 275.080239

Percentage Composition: C 65.41%; H 6.22%; N 5.09%; S 23.28%

Use/Importance: Antitussive agent; expectorant

Physical Description: Yellow cryst.

Melting Point: Mp 64-65°

Boiling Point: Bp_{4.5} 178-184° (lit. gives a pressure range)

Calculated Log P Data: Log P 3.76 (calc)

>>Derivative: Citrate

CAS Registry Number: 5169-77-7

Physical Description: Yellow cryst. + 1H₂O

Melting Point: Mp 138-139°

>>Derivative: 2-(4-Hydroxybenzoyl)benzoate

Synonym(s): **Tipecidine hibenzate**, JAN

CAS Registry Number: 31139-87-4

Melting Point: Mp 189-190°

Hazard & Toxicity: LD₅₀ (rat, ipr) 1122 mg/kg

References:

Kase, Y. *et al.*, *Chem. Pharm. Bull.*, 1959, **7**, 372, (*synth, pharmacol*)

U.K. Pat., 1963, *Tanabe Seiyaku*, 924 544; *CA*, **59**, 11443e, (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 752

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, BLV000