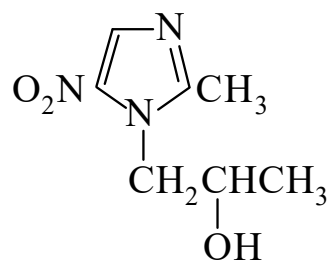




>>Entry Name: Secnidazole, BAN, INN

Synonym(s): α ,2-Dimethyl-5-nitro-1*H*-imidazole-1-ethanol, 9Cl. 1-(2-Methyl-5-nitro-1*H*-imidazol-1-yl)-2-propanol. Apex. Daksol. Famide. Flagentyl. Flow. Secnidal. RP 14539. PM 185184



CAS Registry Number: 3366-95-8

Molecular Formula: C₇H₁₁N₃O₃

Molecular Weight: 185.182

Accurate Mass: 185.080042

Percentage Composition: C 45.40%; H 5.99%; N 22.69%; O 25.92%

Use/Importance: Antimicrobial agent; amoebicide, trichomonacide

Calculated Log P Data: Log P -0.39 (calc)

>>Variant: (±)-form

Molecular Formula: C₇H₁₁N₃O₃

Molecular Weight: 185.182

Accurate Mass: 185.080042

Percentage Composition: C 45.40%; H 5.99%; N 22.69%; O 25.92%

Melting Point: Mp 76°

References:

Cosar, C. *et al.*, *Arzneim.-Forsch.*, 1966, **16**, 23, (*synth, pharmacol*)

Nagarajan, K. *et al.*, *Indian J. Chem., Sect. B*, 1982, **21**, 1006, (*uv, pmr, ms*)

Chen, B.C. *et al.*, *Helv. Chim. Acta*, 1983, **66**, 1537, (*N-15 nmr*)

Bhatia, S.C. *et al.*, *J. Chromatogr.*, 1984, **305**, 325, (*gc*)

Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 526

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 7th edn., Akademie-Verlag, 1994, 875, (*synonyms*)