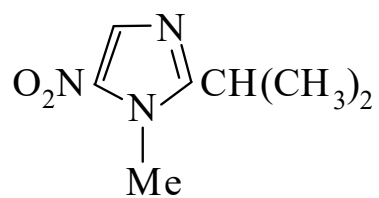




>>Entry Name: **2-Isopropyl-1-methyl-5-nitroimidazole**, 8Cl

Synonym(s): 1-Methyl-2-(1-methylethyl)-5-nitro-1*H*-imidazole, 9Cl. **Ipronidazole**, BAN, INN, USAN. Gastrogal. Iprogal 15. Ipropran. Nidapryl. M. and B. 16905. NSC 109212. Ro 7-1554



CAS Registry Number: 14885-29-1

Molecular Formula: C₇H₁₁N₃O₂

Molecular Weight: 169.183

Accurate Mass: 169.085127

Percentage Composition: C 49.70%; H 6.55%; N 24.84%; O 18.91%

Use/Importance: Vet. antiprotozoal agent

Physical Description: Plates

Melting Point: Mp 62-63°

Calculated Log P Data: Log P 1.05 (calc)

Hazard & Toxicity: Mutagenic props.

References:

Butler, K. *et al.*, *J. Med. Chem.*, 1967, **10**, 891, (*synth, pharmacol*)

Weiss, G. *et al.*, *Xenobiotica*, 1981, **11**, 207, (*metab*)

McKillop, A. *et al.*, *Tetrahedron*, 1983, **39**, 3797, (*cmr*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 515

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, IGH000