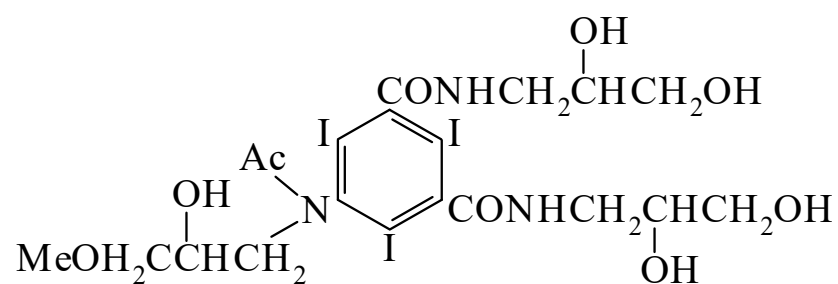




>>Entry Name: Iopentol, BAN, INN, USAN

Synonym(s): 5-[Acetyl(2-hydroxy-3-methoxypropyl)amino]-N,N'-bis(2,3-dihydroxypropyl)-2,4,6-triiodo-1,3-benzenedicarboxamide, 9Cl. Imagopaque



CAS Registry Number: 89797-00-2

Molecular Formula: C₂₀H₂₈I₃N₃O₉

Molecular Weight: 835.169

Accurate Mass: 834.895976

Percentage Composition: C 28.76%; H 3.38%; I 45.59%; N 5.03%; O 17.24%

Use/Importance: Radiopaque medium (diagnostic aid)

Physical Description: Cryst. (2-propanol)

Solubility: V. sol. H₂O

Calculated Log P Data: Log P -5.12 (calc)

Hazard & Toxicity: LD₅₀ (rat, ivn) 22573 mg/kg

References:

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Skjoeld, W. *et al.*, *J. Chromatogr.*, 1986, **366**, 299, (*hplc*)

Acta Radiol., Suppl., 1987, 370, (*synth, pmr, cmr, tox, rev, volume*)

Michelet, A.A., *Acta Radiol.*, 1987, **28**, 329, (*props*)

Sortland, O. *et al.*, *Acta Radiol.*, 1992, **33**, 368, (*clin trial*)

Andresen, A.T. *et al.*, *J. Chromatogr.*, 1992, **575**, 93, (*hplc*)

Drugs of Today (Barcelona), 1993, **29**, 315, (*rev*)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 708