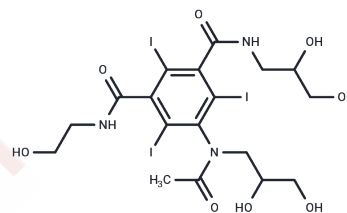


Ioxilan

Chemical Properties

CAS No. :	107793-72-6
Formula:	C ₁₈ H ₂₄ I ₃ N ₃ O ₈
Molecular Weight:	791.11
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ioxilan (Imagenil) is a tri-iodinated X-ray contrast agent used in computer tomography (CECT) imaging as a biological membrane transparency agent.
Targets(IC50)	Others
In vitro	Ioxilan introduces dimethylene as a hydrophobic region masked by hydrophilic hydroxyl, which can reduce osmotic pressure without adversely affecting biological tolerance, and can improve the safety and tolerance of X-ray contrast agents. [2]
In vivo	Ioxilan increased the excretion of albumin, LDH and GGT in rats, resulting in temporary glomerular and tubular dysfunction in rats, but the effect was less than that of diatrizoate and iohexol. [1]

Solubility Information

Solubility	DMSO: 200 mg/mL (252.81 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.264 mL	6.3202 mL	12.6405 mL
5 mM	0.2528 mL	1.264 mL	2.5281 mL
10 mM	0.1264 mL	0.632 mL	1.264 mL
50 mM	0.0253 mL	0.1264 mL	0.2528 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Thomsen HS, et al. Intravenous injection of ioxilan, iohexol and diatrizoate. Effects on urine profiles in the rat. *Acta Radiol.* 1988 Jan-Feb;29(1):131-6.

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The MICAD Research Team. N-(2,3-Dihydroxypropyl)-N'-(2-hydroxyethyl)-5-[N-(2,3-dihydroxypropyl)acetamido]-2,4,6-triiodoisophthalamide. 2006 Jul 12 [updated 2006 Aug 9]. In: *Molecular Imaging and Contrast Agent Database (MICAD)* [Internet]. Bethesda (MD): National Center for Biotechnology Information (US); 2004-2013.

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