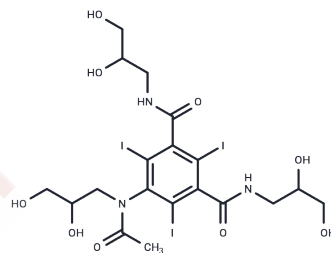


Iohexol

Chemical Properties

CAS No. :	66108-95-0
Formula:	C ₁₉ H ₂₆ I ₃ N ₃ O ₉
Molecular Weight:	821.14
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	Iohexol is an X-ray contrast agent containing varying concentrations of iohexol, which can be used for a variety of imaging applications.
Targets(IC50)	Mitophagy, Autophagy
Kinase Assay	H1-Antihistaminic Activity: The segments (1 cm) of isolated ileum from guinea pigs are suspended in an organ bath containing Tyrode solution (ventilation, 32 °C). The contractile responses to histamine (0.54 μM) are measured with an isotonic transducer. A set concentration of Chlorpheniramine is added in the organ bath 5 minutes before the addition of histamine. IC50 value of Chlorpheniramine is calculated by the probit method.

Solubility Information

Solubility	H ₂ O: 40 mg/mL (48.71 mM), Sonication is recommended. DMSO: 250 mg/mL (304.45 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (2.44 mM), Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (12.18 mM), Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2178 mL	6.0891 mL	12.1782 mL
5 mM	0.2436 mL	1.2178 mL	2.4356 mL
10 mM	0.1218 mL	0.6089 mL	1.2178 mL
50 mM	0.0244 mL	0.1218 mL	0.2436 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

Yin Q, et al. J Am Chem Soc. 2013 Sep 18; 135(37):13620-3.

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