

Metrizoic acid

Chemical Properties

CAS No. :	1949-45-7
Formula:	C ₁₂ H ₁₁ I ₃ N ₂ O ₄
Molecular Weight:	627.94
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>

Biological Description

Description	Metrizoic acid is an ionic contrast medium with high osmolality and carries a risk of inducing allergic reactions.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 25 mg/mL (39.81 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: 2.00 mg/mL (3.19 mM),Sonication is recommended. <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	1.5925 mL	7.9625 mL	15.9251 mL
5 mM	0.3185 mL	1.5925 mL	3.185 mL
10 mM	0.1593 mL	0.7963 mL	1.5925 mL
50 mM	0.0319 mL	0.1593 mL	0.3185 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

Vik-Mo H, et al. Hemodynamic and electrocardiographic consequences of high- and low-osmolality contrast agents for left ventricular angiography. Cathet Cardiovasc Diagn. 1988;14(3):143-9.

Holtås S, et al. Contrast enhanced brain CT. Comparison between iohexol and metrizoate. Neuroradiology. 1983;24(4):213-5.

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