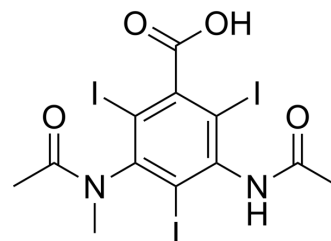


## Metrizoic acid

Cat. No.:	HY-B1699		
CAS No.:	1949-45-7		
Molecular Formula:	C <sub>12</sub> H <sub>11</sub> I <sub>3</sub> N <sub>2</sub> O <sub>4</sub>		
Molecular Weight:	627.94		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 31.25 mg/mL (49.77 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.5925 mL	7.9625 mL	15.9251 mL
	5 mM	0.3185 mL	1.5925 mL	3.1850 mL
	10 mM	0.1593 mL	0.7963 mL	1.5925 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.08 mg/mL (3.31 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.08 mg/mL (3.31 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.08 mg/mL (3.31 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Metrizoic acid (Metrizoate) is an ionic contrast medium. Metrizoic acid (Metrizoate) shows high osmolality and has a risk of inducing allergic reactions<sup>[1][2][3]</sup>.

### REFERENCES

[1]. Vik-Mo H, et al. Hemodynamic and electrocardiographic consequences of high- and low-osmolality contrast agents for left ventricular angiography. Cathet Cardiovasc

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Diagn. 1988;14(3):143-9.

[2]. Sortland O, et al. Iopentol in urography. A clinical comparison between iopentol and metrizoate including delayed reactions. Acta Radiol. 1992 Jul;33(4):368-73.

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

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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