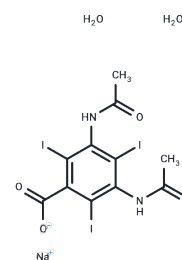


Sodium diatrizoate

Chemical Properties

CAS No. :	737-31-5
Formula:	C ₁₁ H ₈ I ₃ N ₂ NaO ₄
Molecular Weight:	635.9
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Sodium diatrizoate is an iodinated radiopaque X-ray contrast agent used as a diagnostic aid in angiography, urography, and radiography. It induces mitochondrial renewal and oxidative stress through calcium dysregulation and activates apoptosis.
Targets(IC50)	Apoptosis

Solubility Information

Solubility	DMSO: 55 mg/mL (86.49 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	1.5726 mL	7.8629 mL	15.7257 mL
5 mM	0.3145 mL	1.5726 mL	3.1451 mL
10 mM	0.1573 mL	0.7863 mL	1.5726 mL
50 mM	0.0315 mL	0.1573 mL	0.3145 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.

Reference

Abd El-Rahman MK, et al. Spectrochim Acta A Mol Biomol Spectrosc. 2015 Feb 5;136 Pt B:1167-74.

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481