

Diatrizoate meglumine

Chemical Properties

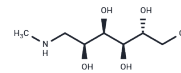
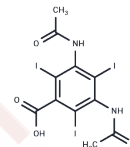
CAS No. : 131-49-7

Formula: C₁₈H₂₆I₃N₃O₉

Molecular Weight: 809.13

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

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|---------------|---|
| Description | Diatrizoate meglumine (Renocal) is the meglumine salt of diatrizoate, it is an organic, iodinated, radiopaque X-ray contrast medium used in diagnostic radiography. |
| Targets(IC50) | Others |

Solubility Information

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|------------|--|
| Solubility | DMSO: 60 mg/mL (74.15 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 1.2359 mL | 6.1795 mL | 12.359 mL |
| 5 mM | 0.2472 mL | 1.2359 mL | 2.4718 mL |
| 10 mM | 0.1236 mL | 0.6179 mL | 1.2359 mL |
| 50 mM | 0.0247 mL | 0.1236 mL | 0.2472 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

- Peterson CM, Lin M, Pilgram T, Heiken JP. Prospective randomized trial of iohexol 350 versus meglumine sodium diatrizoate as an oral contrast agent for abdominopelvic computed tomography. *J Comput Assist Tomogr*. 2011 Mar-Apr;35(2):202-5.
- Hayman LA, Pagani JJ, Serur JR, Hinck VC. Impermeability of the blood-brain barrier to intravenous high-iodine-dose meglumine diatrizoate in the normal dog. *AJNR Am J Neuroradiol*. 1984 Jul-Aug;5(4):409-11. PubMed PMID: 6205572.
- Shea JJ, Emmett JR, Harell M. Evaluation of diatrizoate meglumine (Hypaque) in treatment of sudden hearing loss. *Laryngoscope*. 1977 Nov;87(11):1809-14. PubMed PMID: 916773.
- Jacobson ED, Eldon C, Fondacaro JD. Effects of a rapid injection into the canine superior mesenteric artery of diatrizoate meglumine and diatrizoate sodium (Renografin-76). *Cardiovasc Intervent Radiol*. 1980;3(3):159-62. PubMed PMID: 7407811.

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