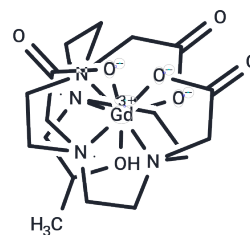


Gadoteridol

Chemical Properties

| | |
|-------------------|---------------------------------------------------------------------------------------------------------------------|
| CAS No. : | 120066-54-8 |
| Formula: | C ₁₇ H ₂₉ GdN ₄ O ₇ |
| Molecular Weight: | 558.69 |
| 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 | Gadoteridol (Gd-HP-DO3A) is a gadolinium-based MRI contrast agent that can be used for central nervous system imaging. |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Solubility | H ₂ O: 280 mg/mL (501.17 mM), Sonication is recommended. DMSO: 100 mg/mL (178.99 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 1.7899 mL | 8.9495 mL | 17.899 mL |
| 5 mM | 0.358 mL | 1.7899 mL | 3.5798 mL |
| 10 mM | 0.179 mL | 0.895 mL | 1.7899 mL |
| 50 mM | 0.0358 mL | 0.179 mL | 0.358 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

Krishan Kumar et al. Gadoteridol. Analytical Profiles of Drug Substances and Excipients, Academic Press, Volume 24, 1996, Pages 209-241,

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