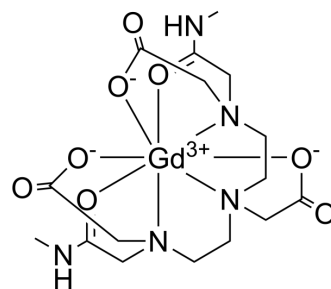


Gadodiamide

Cat. No.:	HY-B0787
CAS No.:	131410-48-5
Molecular Formula:	C ₁₆ H ₂₆ GdN ₅ O ₈
Molecular Weight:	573.66
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 100 mg/mL (174.32 mM)
 DMSO : 5.56 mg/mL (9.69 mM; Need ultrasonic)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.7432 mL	8.7160 mL	17.4319 mL
	5 mM	0.3486 mL	1.7432 mL	3.4864 mL
	10 mM	0.1743 mL	0.8716 mL	1.7432 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: ≥ 0.56 mg/mL (0.98 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 0.56 mg/mL (0.98 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 0.56 mg/mL (0.98 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Gadodiamide(Omniscan) is a gadolinium-based MRI contrast agent, used in MR imaging procedures to assist in the visualization of blood vessels.

CUSTOMER VALIDATION

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- Magn Reson Imaging. 2018 Oct 12;55:140-144.

See more customer validations on www.MedChemExpress.com

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

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