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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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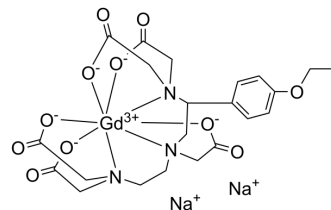
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Gadoxetate Disodium

Cat. No.:	HY-16219
CAS No.:	135326-22-6
Molecular Formula:	$C_{23}H_{28}GdN_3Na_2O_{11}$
Molecular Weight:	725.71
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 100 mg/mL (137.80 mM)
DMSO : 24 mg/mL (33.07 mM; Need ultrasonic)
* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.3780 mL	6.8898 mL	13.7796 mL
	5 mM		0.2756 mL	1.3780 mL	2.7559 mL
	10 mM		0.1378 mL	0.6890 mL	1.3780 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.4 mg/mL (3.31 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.4 mg/mL (3.31 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.4 mg/mL (3.31 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Gadoxetate Disodium (Gd-EOB-DTPA Disodium) is a contrast agent in magnetic resonance imaging (MRI) of the hepatobiliary system, which accumulates in normal, functioning hepatocytes. Gadoxetate Disodium (Gd-EOB-DTPA Disodium) is used to evaluate focal liver lesions, such as hepatocellular carcinoma or liver metastasis on T1-weighted imaging^{[1][2][3]}.

REFERENCES

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- [1]. Schuhmann-Giampieri G, et al. Preclinical evaluation of Gd-EOB-DTPA as a contrast agent in MR imaging of the hepatobiliary system. Radiology. 1992 Apr;183(1):59-64.
- [2]. Katsube T, et al. Estimation of liver function using T1 mapping on Gd-EOB-DTPA-enhanced magnetic resonance imaging. Invest Radiol. 2011 Apr;46(4):277-83.
- [3]. Saito K, et al. Gd-EOB-DTPA enhanced MRI for hepatocellular carcinoma: quantitative evaluation of tumor enhancement in hepatobiliary phase. Magn Reson Med Sci. 2005;4(1):1-9.
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Caution: Product has not been fully validated for medical applications. For research use only.

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