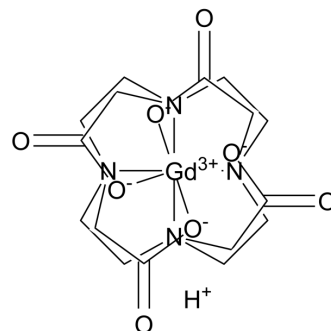


Gadoteric acid

Cat. No.:	HY-148465		
CAS No.:	72573-82-1		
Molecular Formula:	C ₁₆ H ₂₅ GdN ₄ O ₈		
Molecular Weight:	558.64		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (179.01 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.7901 mL	8.9503 mL	17.9006 mL
5 mM	0.3580 mL	1.7901 mL	3.5801 mL
10 mM	0.1790 mL	0.8950 mL	1.7901 mL

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

BIOLOGICAL ACTIVITY

Description

Gadoteric acid is a macrocyclic, paramagnetic, gadolinium-based contrast agent that can be used for magnetic resonance imaging (MRI) of the brain, spine, and related tissues. In particular, Gadoteric acid is able to detect and visualize areas of blood-brain barrier disruption and abnormal vascular distribution^{[1][2]}.

In Vitro

Gadoteric acid provides superior contrast and conspicuity of hepatocellular carcinoma (especially hypervascular lesions) in DCE-MRI in terms of better perceptibility of early enhancement and a stronger washout^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Federico Colletini, et al. MR imaging of hepatocellular carcinoma: prospective intraindividual head-to-head comparison of the contrast agents gadoxetic acid and gadoteric acid. *Sci Rep.* 2022 Nov 3;12(1):18583.

[2]. Martin Maurer, et al. Tolerability and diagnostic value of gadoteric acid in the general population and in patients with risk factors: results in more than 84,000 patients.

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

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