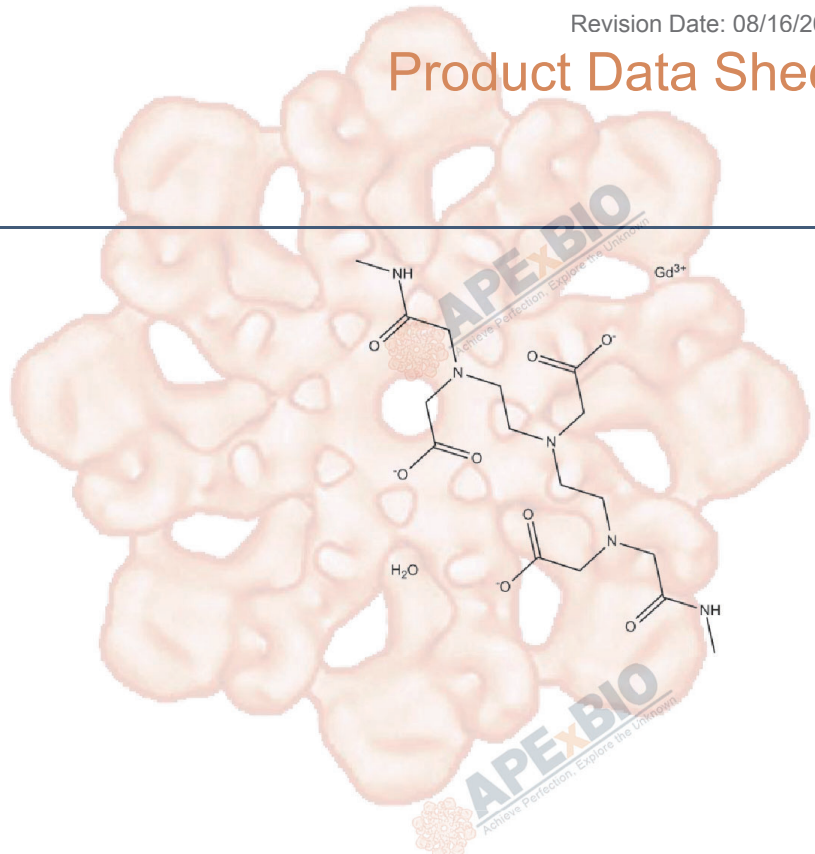


Product Data Sheet

Gadodiamide

Cat. No.:	B1765
CAS No.:	122795-43-1
Formula:	C ₁₆ H ₂₈ GdN ₅ O ₉
M.Wt:	591.67
Synonyms:	
Target:	Others
Pathway:	Others
Storage:	Store at -20°C



Solvent & Solubility

≥ 29.2mg/mL in H₂O

In Vitro

Preparing Stock Solutions	Solvent Concentration	Mass	1mg	5mg	10mg
	1 mM		1.6901 mL	8.4507 mL	16.9013 mL
	5 mM		0.3380 mL	1.6901 mL	3.3803 mL
	10 mM		0.1690 mL	0.8451 mL	1.6901 mL

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

Biological Activity

Shortsummary

Gadolinium-based MRI contrast agent

IC₅₀ & Target

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Animal models: Rats or monkeys

Dosage form: 0.25 ~ 10 mmol/kg; i.v

Applications: In rats, a single dose of Gadodiamide at a greater than 0.5 mmol/kg induced vacuolization of the proximal tubular cells in kidneys, without affecting renal

function. At a dose up to 10 mmol/kg, the vacuolization was only at the moderate degree, and was shown to regress partially during the 7 days after administration. In monkeys, administration of 0.25 mmol/kg Gadodiamide (q.d.; for 28 days) exhibited no effect on the kidneys.

Other notes:

Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

Product Citations

See more customer validations on www.apexbt.com.

References

[1]. Harpur ES, Worah D, Hals PA, Holtz E, Furuham K, Nomura H. Preclinical safety assessment and pharmacokinetics of gadodiamide injection, a new magnetic resonance imaging contrast agent. Invest Radiol. 1993 Mar;28 Suppl 1:S28-43.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

APExBIO Technology
www.apexbt.com

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: info@apexbt.com