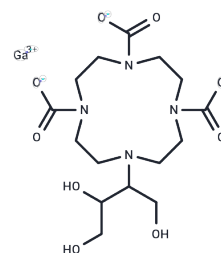


## Gadobutrol

## Chemical Properties

CAS No. :	770691-21-9
Formula:	C <sub>18</sub> H <sub>31</sub> GdN <sub>4</sub> O <sub>9</sub>
Molecular Weight:	604.71
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	Gadobutrol is a nonionic, paramagnetic contrast agent developed for tissue contrast enhancement in magnetic resonance imaging (MRI)
Targets(IC50)	Others

## Solubility Information

Solubility	H <sub>2</sub> O: 250 mg/mL (413.42 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6537 mL	8.2684 mL	16.5369 mL
5 mM	0.3307 mL	1.6537 mL	3.3074 mL
10 mM	0.1654 mL	0.8268 mL	1.6537 mL
50 mM	0.0331 mL	0.1654 mL	0.3307 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

- Cheng KT. Gadobutrol. Molecular Imaging and Contrast Agent Database (MICAD)  
 Keith E Eidman , James B Wetmore. Treatment of Secondary Hyperparathyroidism: How Do Cinacalcet and Etelcalcetide Differ. Semin Dial. 2018 Sep;31(5):440-444.

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