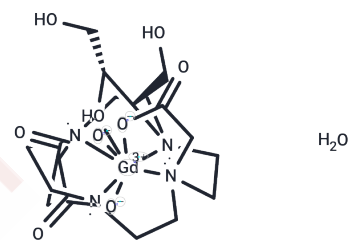


Gadobutrol Monohydrate

Chemical Properties

CAS No. : 198637-52-4
 Formula: C₁₈H₃₃GdN₄O₁₀
 Molecular Weight: 622.73
 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 medicinal product used in diagnostic magnetic resonance imaging (MRI) in adults and children. It provides contrast enhancement during cranial, spinal, breast, or other investigations. In the central nervous system, Gadobutrol works by highlighting any areas with disrupted blood brain barrier (BBB) and/or abnormal vascularity. In breast tissue, Gadobutrol exposes the presence and extent of malignant breast disease. Similarly, gadobutrol is also used in contrast-enhanced magnetic resonance angiography (CE-MRA) for the diagnosis of stroke, detection of tumor perfusion, and presence of focal cerebral ischemia.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6058 mL	8.0292 mL	16.0583 mL
5 mM	0.3212 mL	1.6058 mL	3.2117 mL
10 mM	0.1606 mL	0.8029 mL	1.6058 mL
50 mM	0.0321 mL	0.1606 mL	0.3212 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

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