

## Gadopenamide

## Chemical Properties

CAS No. :	117827-80-2
Formula:	C <sub>22</sub> H <sub>34</sub> GdN <sub>5</sub> O <sub>10</sub>
Molecular Weight:	685.78
Storage:	Keep away from direct sunlight Store at -20°C <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	Gadopenamide is a gadolinium (Gd)-based extracellular contrast agent used in magnetic resonance imaging (MRI). It is a chelate of gadolinium (Gd <sup>3+</sup> ) with a ligand of DTPA-bis(methylamide). Gadopenamide exhibits excellent systemic tolerance and has very low acute intravenous toxicity. It is utilized in MRI to enhance image clarity.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4582 mL	7.291 mL	14.5819 mL
5 mM	0.2916 mL	1.4582 mL	2.9164 mL
10 mM	0.1458 mL	0.7291 mL	1.4582 mL
50 mM	0.0292 mL	0.1458 mL	0.2916 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.

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