

## DOTAGA-anhydride

## Chemical Properties

CAS No. :	1375475-53-8
Formula:	C <sub>19</sub> H <sub>30</sub> N <sub>4</sub> O <sub>9</sub>
Molecular Weight:	458.47
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	DOTAGA-anhydride is a DOTA-based metal chelator capable of binding with radionuclides, making it useful for creating radionuclide drug conjugates (RDC). It has been effectively employed to label antibodies, such as Trastuzumab. Additionally, DOTAGA-anhydride is applicable in synthesizing bimodal labels for single photon emission computed tomography (SPECT) or PET/optical imaging.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1812 mL	10.9058 mL	21.8117 mL
5 mM	0.4362 mL	2.1812 mL	4.3623 mL
10 mM	0.2181 mL	1.0906 mL	2.1812 mL
50 mM	0.0436 mL	0.2181 mL	0.4362 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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