

NH2-MPAA-NODA

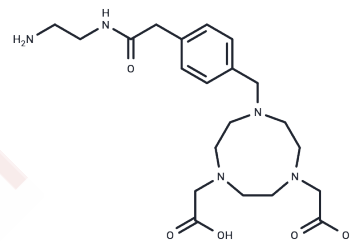
Chemical Properties

CAS No. :

Formula: C21H33N5O5

Molecular Weight: 435.52

Storage: Keep away from direct sunlight
 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	NH2-MPAA-NODA, a nitroveratryl-based photocleavable linker featuring a NODA motif and a methyl phenyl acetic acid (MPAA) backbone, serves as a radiolabel when labeled with 18F-fluoride.
Targets(IC50)	ADC Linker, PROTAC Linker
In vitro	NH2-MPAA-NODA combines the 1,4,7-triazacyclononane-1,4-diacetate (NODA) structure with a methyl phenyl acetic acid (MPAA) skeleton, making it highly capable of forming stable Al18F-chelates. This compound facilitates the synthesis of fluoroaluminates through the interaction with AlF3. NH2-MPAA-NODA's functionality extends to conjugation with certain inhibitors/antagonists tagged with 18F, enabling PET imaging for tumor targeting. Additionally, it serves as an efficient radiolabel for peptides.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2961 mL	11.4805 mL	22.9611 mL
5 mM	0.4592 mL	2.2961 mL	4.5922 mL
10 mM	0.2296 mL	1.1481 mL	2.2961 mL
50 mM	0.0459 mL	0.2296 mL	0.4592 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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