Data Sheet (Cat.No.T18488)

NH2-MPAA-NODA

Chemical Properties

CAS No.:	T18488
Formula:	C21H33N5O5
Molecular Weight:	435.52
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	NH2-MPAA-NODA is a nitroveratryl-based photocleavable linker, it has a NODA motif and a methyl phenyl acetic acid (MPAA) backbone. NH2-MPAA-NODA can be used as a radiolabel by labeling with 18F-fluoride.
Targets(IC_{50})	IC50: Nitroveratryl-based photocleavable linker: None
In vitro	NH2-MPAA-NODA contains the 1,4,7-triazacyclononane-1,4-diacetate (NODA) motif with a methyl phenyl acetic acid (MPAA) backbone, and it has enough ability to form stable Al18F-chelates. The organ of luoroaluminates are easily accessible from the reaction of 1 and AlF3.NH2-MPAA-NODA can be conjugated to some inhibitors/antagonists labeled with 18F for PET imaging of targeting tumors. It also can be used as a radiolabel of peptides

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.296 mL	11.481 mL	22.961 mL
5 mM	0.459 mL	2.296 mL	4.592 mL
10 mM	0.23 mL	1.148 mL	2.296 mL
50 mM	0.046 mL	0.23 mL	0.459 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

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