

DOTA-ADIBO TFA

Chemical Properties

CAS No. :

Formula: C₃₆H₄₃F₃N₆O₁₀

Molecular Weight: 776.76

Storage: Keep away from direct sunlight, Store under nitrogen
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	DOTA-ADIBO TFA is a DOTA-derived bifunctional chelating agent (BFC) that facilitates drug conjugation through a catalyst-free, copper-free click reaction. It enables the construction of fusion chelator systems, and after Cu[64] modification, it is used for the synthesis of radiotracers. It is applied in positron emission tomography (PET) imaging of tumors expressing integrin $\alpha\beta_6$.
Targets(IC50)	Integrin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2874 mL	6.437 mL	12.874 mL
5 mM	0.2575 mL	1.2874 mL	2.5748 mL
10 mM	0.1287 mL	0.6437 mL	1.2874 mL
50 mM	0.0257 mL	0.1287 mL	0.2575 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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