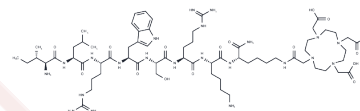


DOTA Conjugated JM#21 derivative 7

Chemical Properties

CAS No. :	3033865-40-3
Formula:	C ₆₆ H ₁₁₄ N ₂₂ O ₁₆
Molecular Weight:	1471.75
Storage:	Keep away from moisture 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	DOTA-Conjugated JM#21 Derivative 7 (compound Ligand-7) is a CXCR4-targeting peptide derivative conjugated with DOTA, suitable for producing radioligands. Radiolabeled with ¹⁷⁷ Lu, this compound, referred to as ¹⁷⁷ Lu-DOTA, demonstrates superior CXCR4 tumor targeting capabilities. In vitro biodistribution studies of ¹⁷⁷ Lu-DOTA indicate minimal uptake in non-target organs, with the exception of the kidneys.
Targets(IC50)	CXCR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6795 mL	3.3973 mL	6.7946 mL
5 mM	0.1359 mL	0.6795 mL	1.3589 mL
10 mM	0.0679 mL	0.3397 mL	0.6795 mL
50 mM	0.0136 mL	0.0679 mL	0.1359 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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