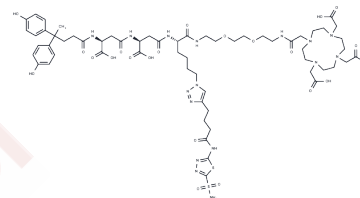


DOTA-XYIMSR-01

Chemical Properties

CAS No. :	2051527-54-7
Formula:	C61H88N16O22S2
Molecular Weight:	1461.57
Storage:	Keep away from direct sunlight 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-XYIMSR-01 is a molecular probe targeting CAIX, capable of being labeled with ¹⁷⁷ Lu for the treatment and localization of malignant gliomas. The uptake of [¹⁷⁷ Lu]Lu-XYIMSR-01 in U87MG tumors is 6.19% injected dose per gram (% ID/g), with a tumor-to-muscle uptake ratio of 20.14. In an orthotopic glioma model, co-administration with temozolomide significantly enhances survival rates and inhibits tumor growth in mice. DOTA-XYIMSR-01 shows potential for research in the field of cancer treatment.
Targets(IC50)	Carbonic Anhydrase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6842 mL	3.421 mL	6.842 mL
5 mM	0.1368 mL	0.6842 mL	1.3684 mL
10 mM	0.0684 mL	0.3421 mL	0.6842 mL
50 mM	0.0137 mL	0.0684 mL	0.1368 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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