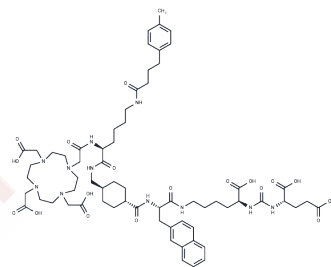


PSMA-ALB-56

Chemical Properties

CAS No. :	2306049-48-7
Formula:	C ₆₆ H ₉₅ N ₁₁ O ₁₈
Molecular Weight:	1330.52
Storage:	Store at low temperature 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	PSMA-ALB-56 is a PSMA-targeting radioactive ligand with antitumor activity, composed of glutamic urea PSMA binding entities, DOTA chelating agents, and albumin binders based on 4-(p-iodophenyl)- fragment or p(tolyl)- fragment.
Targets(IC50)	Drug-Linker Conjugates for ADC,PSMA
In vivo	PSMA-ALB-56 demonstrates rapid accumulation in tumor tissues and enhanced clearance from the bloodstream and non-target tissues, leading to superior tumor-to-background contrast within just 4 hours post-injection. Additionally, PSMA-ALB-56 is associated with an increase in median survival in mice [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7516 mL	3.7579 mL	7.5159 mL
5 mM	0.1503 mL	0.7516 mL	1.5032 mL
10 mM	0.0752 mL	0.3758 mL	0.7516 mL
50 mM	0.015 mL	0.0752 mL	0.1503 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.

Reference

Umbricht CA, et al. Preclinical Development of Novel PSMA-Targeting Radioligands: Modulation of Albumin-Binding Properties To Improve Prostate Cancer Therapy. Mol Pharm. 2018;15(6):2297-2306.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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