Data Sheet (Cat.No.T78153)

TargetMol

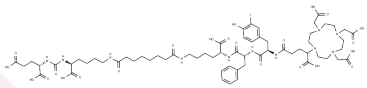
PSMA I&T

Chemical Properties

CAS No. : 2192281-54-0

Formula: C63H92IN11O23

Molecular Weight: 1498.37



Storage: Keep away from moisture,Keep away from direct sunlight,Store at low temperature
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	PSMA I&T is a PSMA-targeting radiocompound that serves as a diagnostic agent for prostate-specific membrane antigen-targeted therapy, often coupled with radioactivity.
Targets(IC50)	Others,PSMA

Solubility Information

Solubility	DMSO: 80 mg/mL (53.39 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (1.33 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6674 mL	3.337 mL	6.6739 mL
5 mM	0.1335 mL	0.6674 mL	1.3348 mL
10 mM	0.0667 mL	0.3337 mL	0.6674 mL
50 mM	0.0133 mL	0.0667 mL	0.1335 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

Chatalic KL, et al. Towards Personalized Treatment of Prostate Cancer: PSMA I&T, a Promising Prostate-Specific Membrane Antigen-Targeted Theranostic Agent. Theranostics. 2016 Apr 12;6(6):849-61.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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