

Lys(CO-C3-p-I-Ph)-O-tBu

Chemical Properties

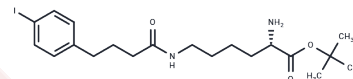
CAS No. : 2703051-80-1

Formula: C₂₀H₃₁IN₂O₃

Molecular Weight: 474.38

Storage: 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	Lys(CO-C3-p-I-Ph)-O-tBu, a pharmacokinetic modifier (PK modifier), enhances the pharmacokinetic properties of PSMA ligand molecules by increasing their residence time in plasma through improved binding to albumin and reducing absorption by the salivary glands, potentially extending the active compound's half-life. Moreover, Ac-PSMA-trillium is an effective PSMA-targeting compound for various biological applications when modified with different radioactive isotopes. When labeled with ¹¹¹ In, it serves as a DOTA chelating agent and imaging agent. Alternatively, when labeled with ²²⁵ Ac, it acts as a Macropa chelator for targeted radionuclide therapy (TRT) in researching metastatic castration-resistant prostate cancer (mCRPC) [1] [2].
Targets(IC50)	DNA-PK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.108 mL	10.5401 mL	21.0801 mL
5 mM	0.4216 mL	2.108 mL	4.216 mL
10 mM	0.2108 mL	1.054 mL	2.108 mL
50 mM	0.0422 mL	0.2108 mL	0.4216 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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