

CCZ01048

Chemical Properties

CAS No. :

Formula: C71H105N21O16

Molecular Weight: 1508.72

Keep away from moisture

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	CCZ01048, an analogue of α -melanocyte-stimulating hormone (α -MSH), demonstrates a high binding affinity for the melanocortin 1 receptor (MC1R), with a K_i of 0.31 nM. It rapidly internalizes into B16F10 melanoma cells and exhibits notable in vivo stability, making it a promising candidate for PET imaging of malignant melanoma [1].
Targets(IC50)	Melanocortin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6628 mL	3.3141 mL	6.6281 mL
5 mM	0.1326 mL	0.6628 mL	1.3256 mL
10 mM	0.0663 mL	0.3314 mL	0.6628 mL
50 mM	0.0133 mL	0.0663 mL	0.1326 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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