

Breast cancer targeting peptide 18-4

Chemical Properties

CAS No. : 1332850-08-4

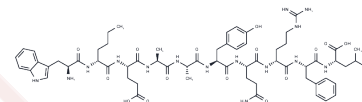
Formula: C63H89N15O15

Molecular Weight: 1296.47

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	Breastcancertargeting peptide 18-4 is a keratin 1 (KRT1) receptor-targeting peptide with a dissociation constant (Kd) of 0.98 μ M. Its amino acid sequence is WxEAAYQrFL, and it is an analogue of the P160 peptide. When covalently bonded with the anticancer peptide MccJ25, it significantly enhances MccJ25 uptake in breast cancer cells and boosts its anticancer efficacy. The IC50 values for this covalent compound are 14.2, 20, and 25 μ M against MCF-7, MDA-MB-435, and MDA-MB-435-MDR, respectively.
Targets(IC50)	Microtubule Associated

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7713 mL	3.8566 mL	7.7133 mL
5 mM	0.1543 mL	0.7713 mL	1.5427 mL
10 mM	0.0771 mL	0.3857 mL	0.7713 mL
50 mM	0.0154 mL	0.0771 mL	0.1543 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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