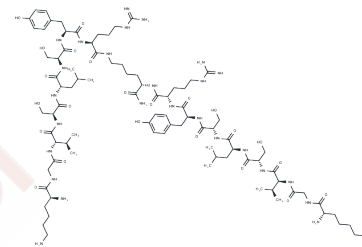


CTCE-9908

Chemical Properties

CAS No. : 1030384-98-5
 Formula: C₈₆H₁₄₇N₂₇O₂₃
 Molecular Weight: 1927.27
 Storage: Keep away from moisture
 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	CXCR4 antagonist; induces mitotic catastrophe in ovarian cancer cells. Displays additive cytotoxic effects when given with taxol. Enhances the efficacy of docetaxel in a mouse model.
Targets(IC50)	CXCR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5189 mL	2.5943 mL	5.1887 mL
5 mM	0.1038 mL	0.5189 mL	1.0377 mL
10 mM	0.0519 mL	0.2594 mL	0.5189 mL
50 mM	0.0104 mL	0.0519 mL	0.1038 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

Kwong et al (2009) An antagonist of the chemokine receptor CXCR4 induces mitotic catastrophe in ovarian cancer cells. Mol.Cancer Ther. 8 1893 PMID:

Hassan et al (2011) CXCR4 peptide antagonist inhibits primary breast tumor growth, metastasis and enhances the efficacy of anti-VEGF treatment or doce. in a transgenic mouse model. Int.J.Cancer. 129 225 PMID:

Faber et al (2007) The many facets of SDF-1alpha, CXCR4 agonists and antagonists on hematopoietic progenitor cells. J.Biomed.Biotechnol. 2007 26065 PMID:

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