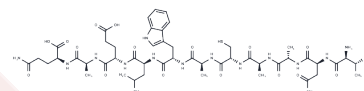


Nef-M1

Chemical Properties

CAS No. :	860401-80-5
Formula:	C ₅₀ H ₇₆ N ₁₄ O ₁₇ S
Molecular Weight:	1177.29
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Nef-M1 (Nef-Motif-1) is an antagonist peptide targeting CXCR4 and an apoptosis (apoptosis) inducer derived from the myristoylated protein encoded by the HIV nef gene. Nef-M1 inhibits tumor angiogenesis and epithelial-mesenchymal transition (EMT) by activating the apoptotic pathway through increased levels of caspase-3 in cancer cells. Additionally, it suppresses VEGF-A, p-GSK-3 β , and vimentin while enhancing E-cadherin, thereby hindering angiogenesis and EMT processes. Nef-M1 is applicable in colorectal cancer and breast cancer research.
Targets(IC50)	Apoptosis,Caspase,CXCR,GSK-3,VEGFR,Cadherin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8494 mL	4.247 mL	8.4941 mL
5 mM	0.1699 mL	0.8494 mL	1.6988 mL
10 mM	0.0849 mL	0.4247 mL	0.8494 mL
50 mM	0.017 mL	0.0849 mL	0.1699 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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