

IKK γ NBD Inhibitory Peptide

Chemical Properties

CAS No. : 372146-18-4

Formula: C170H259N49O42S1

Molecular Weight: 3693.3

DRQIKIWFQNRRMKWKKTALDWSWLQTE

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	A cell-permeable synthetic peptide NEMO-binding domain peptide (NBD peptide) corresponding to the NEMO amino-terminal alpha-helical region is shown to block TNF-alpha-induced NF-kB activation. The interaction of IK γ NEMO with the IKK complex is vital for the activation of the IKK complex and the subsequent activation of NF-kB.
Targets(IC50)	NF-kB

Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2708 mL	1.3538 mL	2.7076 mL
5 mM	0.0542 mL	0.2708 mL	0.5415 mL
10 mM	0.0271 mL	0.1354 mL	0.2708 mL
50 mM	0.0054 mL	0.0271 mL	0.0542 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

Zhao J, et al. Development of novel NEMO-binding domain mimetics for inhibiting IKK/NF-kB activation. PLoS Biol. 2018 Jun 11;16(6):e2004663.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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