

KRPEP-2D acetate

Chemical Properties

CAS No. :

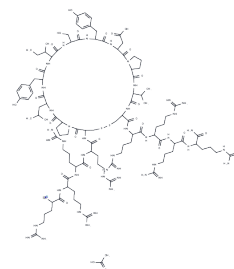
Formula: C110H186N44O27S2

Molecular Weight: 2621.06

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	KRPEP-2D acetate was identified as a K-Ras(G12D) selective inhibitory peptide against the G12D mutant of K-Ras, which is a key member of the Ras protein family and an attractive cancer therapeutic target.
Targets(IC50)	Raf
In vitro	KRpep-2d exhibits potent non-covalent K-Ras(G12D) inhibitory activity, with selectivity against wild-type (WT) K-Ras and the K-Ras(G12C) mutant, in both cell-free enzyme (IC50 = 1.6 nM) and cell-based assays.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3815 mL	1.9076 mL	3.8153 mL
5 mM	0.0763 mL	0.3815 mL	0.7631 mL
10 mM	0.0382 mL	0.1908 mL	0.3815 mL
50 mM	0.0076 mL	0.0382 mL	0.0763 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

Sakamoto K, Kamada Y, Sameshima T, et al. K-Ras (G12D)-selective inhibitory peptides generated by random peptide T7 phage display technology[J]. Biochemical and biophysical research communications, 2017, 484(3): 605-611.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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