

KRPEP-2D acetate

Chemical Properties

CAS No.:	TP2358
Formula:	C110H186N44O27S2
Molecular Weight:	2621.06
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**KRPEP-2D
acetate****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.
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.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.382 mL	1.908 mL	3.815 mL
5 mM	0.076 mL	0.382 mL	0.763 mL
10 mM	0.038 mL	0.191 mL	0.382 mL
50 mM	0.008 mL	0.038 mL	0.076 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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