

## HXR9 hydrochloride

## Chemical Properties

CAS No. :

Formula: C119H194ClN53O20S

Molecular Weight: 2754.67

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	HXR9 hydrochloride, a cell-permeable peptide and competitive antagonist of the HOX/PBX interaction, selectively reduces cell proliferation and induces apoptosis in cells with elevated HOXA/PBX3 gene expression, notably MLL-rearranged leukemic cells [1] [2] [3]. By inhibiting the interaction between HOX proteins and the transcription factor PBX, which associates with HOX proteins in paralogue groups 1 to 8, it disrupts a critical regulatory mechanism in these cells.
Targets(IC50)	Apoptosis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.363 mL	1.8151 mL	3.6302 mL
5 mM	0.0726 mL	0.363 mL	0.726 mL
10 mM	0.0363 mL	0.1815 mL	0.363 mL
50 mM	0.0073 mL	0.0363 mL	0.0726 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.

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