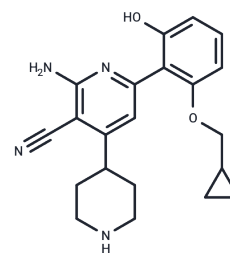


ACHP

Chemical Properties

CAS No. :	406208-42-2
Formula:	C ₂₁ H ₂₄ N ₄ O ₂
Molecular Weight:	364.44
Storage:	Store at low temperature 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	ACHP (IKK-2 Inhibitor VIII) is a novel selective and potent IKK inhibitor with inhibitory effects on IKK- α and IKK- β . ACHP has anti-HIV-1 activity and inhibits HIV-1 long terminal repeat (LTR)-driven gene expression through inhibition of NF- κ B activation, inhibits TNF- α -induced NF- κ B (p65) recruitment to the HIV-1 LTR, and inhibits TNF- α -induced NF- κ B (p65) recruitment to the HIV-1 LTR. ACHKP has anti-HIV-1 activity and inhibits TNF- α -induced recruitment of NF- κ B (p65) to the HIV-1 LTR.
Targets(IC50)	Apoptosis,STAT,IkB/IKK

Solubility Information

Solubility	DMSO: 5 mg/mL (13.72 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7439 mL	13.7197 mL	27.4394 mL
5 mM	0.5488 mL	2.7439 mL	5.4879 mL
10 mM	0.2744 mL	1.372 mL	2.7439 mL
50 mM	0.0549 mL	0.2744 mL	0.5488 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

Pandur, E., et al. Anti-inflammatory effect of lavender (*Lavandula angustifolia* Mill.) essential oil prepared during different plant phenophases on THP-1 macrophages. *BMC Complement Med Ther* 21, 287 (2021).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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