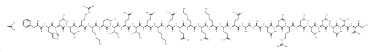
Data Sheet (Cat.No.TP2009L)

TargetMol

K 41498 aceate

Chemical Properties



CAS No. :

Formula: C164H280N48O48

Molecular Weight: 3692.27

Storage: Keep away from moisture
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	K41498 acetate, an analogues of antisauvagine-30 (aSvg-30), inhibits sauvagine-stimulated cAMP accumulation in hCRF2α- and hCRF2β-expressing cells. K41498 acetate is a potent and highly selective antagonist CRF2 receptor with Ki values of 0.66 nM, 0.62 nM and 425 nM for human CRF2α, CRF2β and CRF1 receptors respectively.
Targets(IC50)	CRFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2708 mL	1.3542 mL	2.7084 mL
5 mM	0.0542 mL	0.2708 mL	0.5417 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

A J Lawrence, et al. The highly selective CRF(2) receptor antagonist K41498 binds to presynaptic CRF(2) receptors in rat brain. Br J Pharm

A Rühmann, et al. Design, synthesis and pharmacological characterization of new highly selective CRF(2) antagonists: development of 123I-K31440 as a potential SPECT ligand. Peptides. 2002 Mar;23(3):453-60.

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