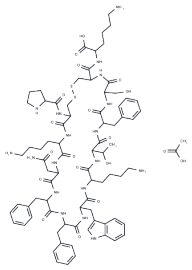
Data Sheet (Cat.No.TP1188L)

TargetMol

Cortistatin 14, human, rat acetate

Chemical Properties



CAS No. :

Formula: C80H112N18O19S2

Molecular Weight: 1693.98

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	Cortistatin 14, human, rat acetate is a neuropeptide having structural similarity to somatostatin-14 and shows anticonvulsive, neuroprotective effects and remarkable anti-inflammatory properties. Cortistatin 14, human, rat acetate binds and exerts its fun
Targets(IC50)	Somatostatin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5903 mL	2.9516 mL	5.9033 mL
5 mM	0.1181 mL	0.5903 mL	1.1807 mL
10 mM	0.059 mL	0.2952 mL	0.5903 mL
50 mM	0.0118 mL	0.059 mL	0.1181 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

1. Baranowska B, et al. Cortistatin and pituitary hormone secretion in rat. J Physiol Pharmacol. 2009 Mar;60(1):151-6.

Braun H, et al. Protective effects of cortistatin (CST-14) against kainate-induced neurotoxicity in rat brain. Brain Res. 1998 Aug 24;803(1-2):54-60.

Markovics A, et al. Comparison of the anti-inflammatory and anti-nociceptive effects of cortistatin-14 and somatostatin-14 in distinct in vitro and in vivo model systems. J Mol Neurosci. 2012 Jan;46(1):40-50.

De Lecea L, et al. A cortical neuropeptide with neuronal depressant and sleep-modulating properties. Nature. 1996 May 16;381(6579):242-5.

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