

Astressin 2B

Chemical Properties

CAS No. :	681260-70-8
Formula:	C183H307N49O53
Molecular Weight:	4041.69
Storage:	Keep away from moisture 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	Potent and selective corticotropin-releasing factor receptor 2 (CRF2) antagonist (IC50 values are 1.3 and > 500 nM for CRF2 and CRF1 respectively). Antagonizes CRF2-mediated inhibition of gastric emptying.
Targets(IC50)	CFTR

Solubility Information

Solubility	H2O: 1 mg/mL (0.25 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	0.2474 mL	1.2371 mL	2.4742 mL
5 mM	0.0495 mL	0.2474 mL	0.4948 mL
10 mM	0.0247 mL	0.1237 mL	0.2474 mL
50 mM	0.0049 mL	0.0247 mL	0.0495 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

Rivier et al (2002) Potent and long-acting cortico. releasing factor (CRF) receptor 2 selective peptide competitive antagonists. J.Med.Chem. 45 4737 PMID:

Hoare et al (2005) Peptide ligand binding properties of the corticotropin-releasing factor (CRF) type 2 receptor: pharmacology of endogenously expressed receptors, G-protein-coupled sensitivity and determinants of CRF2 receptor selectivity. Peptides 26 457 PMID:

Henry et al (2006) The effect of lateral septum corticotropin-releasing factor receptor 2 activation on anxiety is modulated by stress. J.Neurosci. 26 9142 PMID:

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