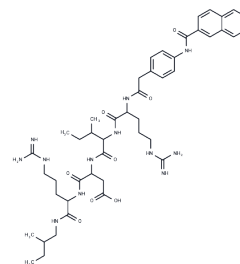


AP 811

Chemical Properties

CAS No. :	124833-45-0
Formula:	C46H66N12O8
Molecular Weight:	915.11
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	AP 811, a selective antagonist of the atrial natriuretic peptide clearance receptor (APN-CR, NPR3) with a K_i value of 0.48 nM, exhibits remarkable selectivity for NPR3 over NPR1 by more than 20,000-fold. Moreover, AP 811 effectively eliminates ANP-induced pump stimulation.
Targets(IC50)	Natriuretic peptide

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0928 mL	5.4638 mL	10.9276 mL
5 mM	0.2186 mL	1.0928 mL	2.1855 mL
10 mM	0.1093 mL	0.5464 mL	1.0928 mL
50 mM	0.0219 mL	0.1093 mL	0.2186 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

Veale CA, et al. The discovery of non-basic atrial natriuretic peptide clearance receptor antagonists. Part 1. *Bioorg Med Chem Lett.* 2000;10(17):1949-1952.

William M, et al. Natriuretic peptides stimulate the cardiac sodium pump via NPR-C-coupled NOS activation. *Am J Physiol Cell Physiol.* 2008;294(4):C1067-C1073.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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