

ADWX 1

Chemical Properties

CAS No. :

Formula: C169H281N57O46S7

Molecular Weight: 4071.86

Keep away from moisture

Storage: 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	Potent and selective KV1.3 channel blocker (IC50 values are 0.0019 and 0.65 nM for KV1.3 and KV1.1, respectively). Inhibits CD4+ CCR7- T cell activation. Ameliorates rat experimental autoimmune encephalomyelitis, in a model for multiple sclerosis.
Targets(IC50)	Potassium Channel

Solubility Information

Solubility	H2O: 2 mg/mL (0.49 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	0.2456 mL	1.2279 mL	2.4559 mL
5 mM	0.0491 mL	0.2456 mL	0.4912 mL
10 mM	0.0246 mL	0.1228 mL	0.2456 mL
50 mM	0.0049 mL	0.0246 mL	0.0491 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

Han et al (2008) Structural basis of a potent peptide inhibitor designed for KV1.3 channel, a therapeutic target of autoimmune disease. J.Biol.Chem. 283 19058 PMID:

Li et al (2012) Selective inhibition of CCR7(-) effector memory T cell activation by a novel peptide targeting Kv1.3 channel in a rat experimental autoimmune encephalomyelitis model. J.Biol.Chem. 287 29479 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481