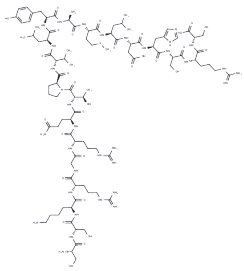
Data Sheet (Cat.No.T38964)

TargetMol

Peripheral Myelin P0 Protein (180-199), Mouse

Chemical Properties



CAS No. : 147450-30-4

Formula: C96H161N33O30S

Molecular Weight: 2289.61

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	Peripheral Myelin P0 Protein (180-199) [mouse] is a purified component of myelin found in peripheral nerves, serving as a neuritogenic peptide that initiates neuronal process growth.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 13 mg/mL (5.68 mM),Sonication is recommended. H2O: 0.8 mg/mL (0.35 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (0.44 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4368 mL	2.1838 mL	4.3676 mL
5 mM	0.0874 mL	0.4368 mL	0.8735 mL
10 mM	0.0437 mL	0.2184 mL	0.4368 mL
50 mM	0.0087 mL	0.0437 mL	0.0874 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

Lei Bao, et al. The critical role of IL-12p40 in initiating, enhancing, and perpetuating pathogenic events in murine experimental autoimmune neuritis. Brain Pathol. 2002 Oct;12(4):420-9.

L P Zou, et al. P0 protein peptide 180-199 together with pertussis toxin induces experimental autoimmune neuritis in resistant C57BL/6 mice. J Neurosci Res. 2000 Dec 1;62(5):717-21.

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