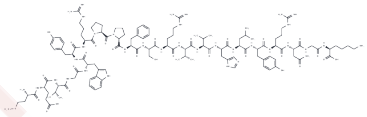
Data Sheet (Cat.No.T39110)

TargetMol

MOG (35-55), human

Chemical Properties



CAS No. : 163158-19-8

Formula: C120H179N35O28S

Molecular Weight: 2592.03

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	MOG (35-55), human, a constituent of central nervous system myelin, is distinguishable from mMOG (35-55) due to a proline-to-serine substitution at position 42. It possesses immunogenic properties and is partially cross-reactive with mMOG35-55. However, MOG (35-55), human does not induce encephalitogenic effects, and only elicits minimal clinical signs of EAE (experimental autoimmune encephalomyelitis) in comparison to the rodent peptide.
Targets(IC50)	MHC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3858 mL	1.929 mL	3.858 mL
5 mM	0.0772 mL	0.3858 mL	0.7716 mL
10 mM	0.0386 mL	0.1929 mL	0.3858 mL
50 mM	0.0077 mL	0.0386 mL	0.0772 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

Cathleen Rich, et al. Myelin oligodendrocyte glycoprotein-35-55 peptide induces severe chronic experimental autoimmune encephalomyelitis in HLA-DR2-transgenic mice. Eur J Immunol. 2004 May;34(5):1251-61.
Alfred R Oliver, et al.Rat and human myelin oligodendrocyte glycoproteins induce experimental autoimmune encephalomyelitis by different mechanisms in C57BL/6 mice. J Immunol. 2003 Jul 1;171(1):462-8.

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