

MOG Peptide (human, bovine) acetate

Chemical Properties

CAS No. :

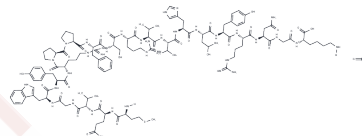
Formula: C120H179N35O28S.XC2H4O2

Molecular Weight: 2591.99

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

Myelin oligodendrocyte glycoprotein (MOG) peptide, a truncated form of MOG located on the extracellular myelin sheath surface, interacts with antigen serotype HLA-DR2 to mitigate effects of ischemic stroke induced by middle cerebral artery occlusion (MCAO) in mice. In female mice, it notably reduces cortical and striatal infarct volumes, lessens sensorimotor deficits as observed in tube- and corner turn tests, enhances engagement with novel odors, and prolongs the duration of cage mate-directed vocalizations, without exhibiting similar outcomes in male mice.

Solubility Information

Solubility

PBS pH 7.2: 10 mg/mL (3.86 mM), Sonication is recommended.
(< 1 mg/ml refers to the product slightly soluble or insoluble)

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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