

MOG peptide (35-55) amide

Chemical Properties

CAS No. : 2022956-48-3

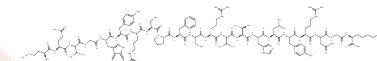
Formula: C118H178N36O28S

Molecular Weight: 2580.97

Appearance:

Storage: keep away from moisture

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	MOG peptide (35-55) amide, a myelin oligodendrocyte glycoprotein (MOG) fragment spanning amino acids 35 to 55, selectively stimulates CD4+ T cell expansion and induces experimental autoimmune encephalomyelitis (EAE) in animal models [1] [2] [3].
In vitro	The expanded CD4+ T cells predominantly target the immunogenic peptide 35-55 of myelin oligodendrocyte glycoprotein (MOG35-55). In contrast, clonally expanded CD8+ T cells exhibit no response to myelin-derived peptides or proteins [1].
In vivo	Administration of MOG peptide (35-55) at a concentration of 3 mg/mL (0.1 mL, s.c., single dose) actively induces experimental autoimmune encephalomyelitis (EAE) in mice [2]. Additionally, a single subcutaneous dose of MOG peptide (35-55) at 200 µg results in an increased level of the eosinophil chemoattractant eotaxin-1 in the spinal cord during EAE progression in C57BL/6 mice [3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3875 mL	1.9373 mL	3.8745 mL
5 mM	0.0775 mL	0.3875 mL	0.7749 mL
10 mM	0.0387 mL	0.1937 mL	0.3875 mL
50 mM	0.0077 mL	0.0387 mL	0.0775 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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