

Myosin H Chain Fragment, Mouse

Chemical Properties

CAS No. :

Formula: C91H149N25O28S

Molecular Weight: 2073.37

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	Myosin H Chain Fragment, Mouse is a peptide fragment derived from the α -myosin heavy chain that serves as a critical immunogenic determinant used to induce experimental autoimmune myocarditis (EAM) in murine models. Myosin H Chain Fragment, Mouse is applied in cardiovascular immunopathology research to elucidate the mechanisms underlying autoimmune-mediated cardiac inflammation and subsequent myocardial injury.
Targets(IC50)	Others
In vivo	Myosin H Chain Fragment, Mouse (150 μ g) was emulsified with PBS/CFA (1 mg/mL, H37Ra) at a 1:1 ratio and then subcutaneously injected into mice, with two injections administered 7 days apart (on day 0 and day 7, respectively), which can induce experimental autoimmune myocarditis. [1]

Solubility Information

Solubility	H2O: 12 mg/mL (5.79 mM),Sonication is recommended. DMSO: 9.5 mg/mL (4.58 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4823 mL	2.4115 mL	4.8231 mL
5 mM	0.0965 mL	0.4823 mL	0.9646 mL
10 mM	0.0482 mL	0.2412 mL	0.4823 mL
50 mM	0.0096 mL	0.0482 mL	0.0965 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

Moritz Mirna, et al. Autoimmune myocarditis is not associated with left ventricular systolic dysfunction. *Eur J Clin Invest.* 2019 Aug;49(8):e13132.

Ludwig T. Weckbach, et al. Blocking LFA-1 Aggravates Cardiac Inflammation in Experimental Autoimmune Myocarditis. *Cells.* 2019 Oct; 8(10): 1267.

Hoetzenecker K, et al. Mononuclear cell secretome protects from experimental autoimmune myocarditis[J]. *European heart journal*, 2015, 36(11): 676-685.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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