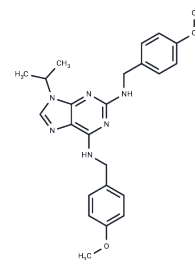


Myoseverin

Chemical Properties

CAS No. :	267402-71-1
Formula:	C ₂₄ H ₂₈ N ₆ O ₂
Molecular Weight:	432.52
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	Myoseverin, an inducer of the reversible fission of multinucleated myotubes into mononucleated fragments, affecting the expression of a variety of growth factor, immunomodulatory, extracellular matrix-remodeling, and stress response genes, consistent with the activation of pathways involved in wound healing and tissue regeneration.
Targets(IC50)	Microtubule Associated,DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 230 mg/mL (531.77 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (7.63 mM),Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.312 mL	11.5602 mL	23.1203 mL
5 mM	0.4624 mL	2.312 mL	4.6241 mL
10 mM	0.2312 mL	1.156 mL	2.312 mL
50 mM	0.0462 mL	0.2312 mL	0.4624 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

Rosania GR, et al. Myoseverin, a microtubule-binding molecule with novel cellular effects. Nat Biotechnol. 2000;18 (3):304-308.

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