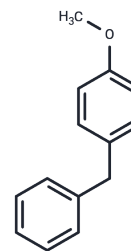


4-MDM

Chemical Properties

CAS No. :	834-14-0
Formula:	C ₁₄ H ₁₄ O
Molecular Weight:	198.26
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	4-MDM (4-Methoxydiphenylmethane) is an orally active anti-inflammatory compound that selectively enhances the aminopeptidase activity of leukotriene A4 hydrolase (LTA4H). By promoting the degradation of proline-glycine-proline by LTA4H, 4-MDM reduces neutrophil recruitment in the lungs, alleviating inflammation without affecting the epoxide hydrolase activity of LTA4H. This compound is useful for research in pulmonary diseases.
Targets(IC50)	Aminopeptidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0439 mL	25.2194 mL	50.4388 mL
5 mM	1.0088 mL	5.0439 mL	10.0878 mL
10 mM	0.5044 mL	2.5219 mL	5.0439 mL
50 mM	0.1009 mL	0.5044 mL	1.0088 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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481