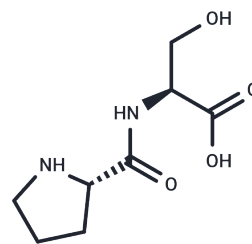


Prolylserine

Chemical Properties

CAS No. :	71835-80-8
Formula:	C ₈ H ₁₄ N ₂ O ₄
Molecular Weight:	202.21
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Prolylserine, a dipeptide, acts as a melanogenesis inhibitor in Mel-Ab cells by reducing microphthalmia-associated transcription factor (MITF) and tyrosinase expression, inducing phosphorylation of ERK, but not affecting cAMP response element-binding protein (CREB) [1].
Targets(IC50)	ERK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9454 mL	24.7268 mL	49.4535 mL
5 mM	0.9891 mL	4.9454 mL	9.8907 mL
10 mM	0.4945 mL	2.4727 mL	4.9454 mL
50 mM	0.0989 mL	0.4945 mL	0.9891 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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