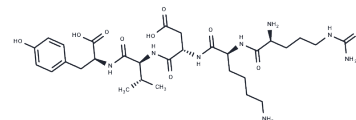


Thymopentin

Chemical Properties

CAS No. :	69558-55-0
Formula:	C30H49N9O9
Molecular Weight:	679.77
Appearance:	no data available
Storage:	keep away from direct sunlight,keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Synthetic pentapeptide corresponding to the amino acids 32-36 of thymopoietin and exhibiting the full biological activity of the natural hormone. Thymopentin (TP5) is an immunomodulator which has been studied for possible use in the treatment of rheumatoid arthritis, AIDS, and other primary immunodeficiencies.
Targets(IC50)	Estrogen/progestogen Receptor,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 50 mg/mL (73.58 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4711 mL	7.3554 mL	14.7109 mL
5 mM	0.2942 mL	1.4711 mL	2.9422 mL
10 mM	0.1471 mL	0.7355 mL	1.4711 mL
50 mM	0.0294 mL	0.1471 mL	0.2942 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.

Reference

Kumar V, Liu H, Wu C. Drug Repurposing against SARS-CoV-2 Receptor Binding Domain using Ensemble-based Virtual Screening and Molecular Dynamics Simulations. Computers in biology and medicine. 2021: 104634.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481