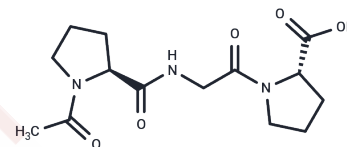


Ac-Pro-Gly-Pro-OH

Chemical Properties

CAS No. :	292171-04-1
Formula:	C ₁₄ H ₂₁ N ₃ O ₅
Molecular Weight:	311.33
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	Ac-Pro-Gly-Pro-OH is an acetyl-modified tripeptide compound that acts as a CXCR2 agonist, exhibiting bactericidal and anti-inflammatory activities. It inhibits apoptosis of immune cells, suppresses the production of pro-inflammatory cytokines, and has been utilized in studies of sepsis and lung inflammation.
Targets(IC50)	Apoptosis, Antibiotic, CXCR

Solubility Information

Solubility	H ₂ O: 51 mg/mL (163.81 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.212 mL	16.0601 mL	32.1203 mL
5 mM	0.6424 mL	3.212 mL	6.4241 mL
10 mM	0.3212 mL	1.606 mL	3.212 mL
50 mM	0.0642 mL	0.3212 mL	0.6424 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

Patel DF, et al The multifaceted roles of the matrikine Pro-Gly-Pro in pulmonary health and disease. Eur Respir Rev. 2018 Jun 27;27(148):180017.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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