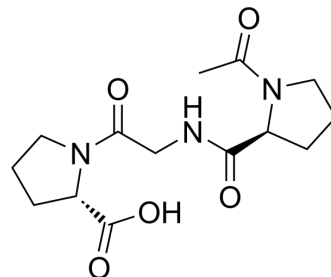


Ac-Pro-Gly-Pro-OH

Cat. No.:	HY-P4846
CAS No.:	292171-04-1
Molecular Formula:	C ₁₄ H ₂₁ N ₃ O ₅
Molecular Weight:	311.33
Sequence:	Ac-Pro-Gly-Pro-OH
Sequence Shortening:	Ac-PGP-OH
Target:	CXCR
Pathway:	GPCR/G Protein; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ac-Pro-Gly-Pro-OH is an endogenous degradation product of extracellular collagen and can be used as CXCR2 agonist. Ac-Pro-Gly-Pro-OH elicits bactericidal activity and inhibits lung inflammation, reducing immune cell apoptosis. Ac-Pro-Gly-Pro-OH enhances the production of type 1 cytokines (IFN- γ and IL-12) but inhibits the production of proinflammatory cytokines. Ac-Pro-Gly-Pro-OH has the potential for the research of sepsis ^{[1][2]} .
IC ₅₀ & Target	CXCR2

REFERENCES

- [1]. 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.
- [2]. Kim SD, et al. Activation of CXCR2 by extracellular matrix degradation product acetylated Pro-Gly-Pro has therapeutic effects against sepsis. *Am J Respir Crit Care Med.* 2011 Jul 15;184(2):243-51.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA