

Product Data Sheet

Product Name: Cyclo(Phe-Pro)

Cat. No.: GC35779

Chemical Properties

Cas. No. 14705-60-3

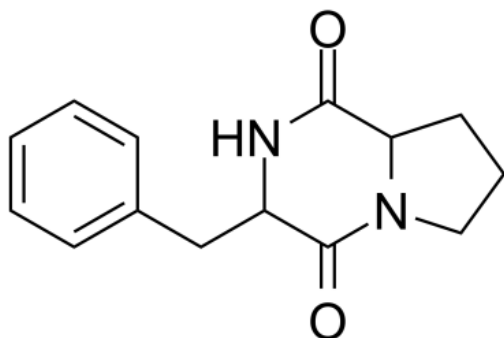
Formula $C_{14}H_{16}N_2O_2$ M.Wt 244.29

Solubility DMSO: 125 mg/mL (511.69 mM) Storage -20°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Cyclo(Phe-Pro) (Cyclo(phenylalanylprolyl)), a *Vibrio vulnificus* quorum-sensing molecule, inhibits retinoic acid-inducible gene-I (RIG-I) polyubiquitination, through its specific interaction with RIG-I, to blunt IRF-3 activation and type-I IFN production. Cyclo(Phe-Pro) (Cyclo(phenylalanylprolyl)) enhances susceptibility to hepatitis C virus (HCV), as well as Sendai and influenza viruses[1].

[1]. Lee W, et al. *Vibrio vulnificus* quorum-sensing molecule cyclo(Phe-Pro) inhibits RIG-I-mediated antiviral innate immunity. *Nat Commun.* 2018 Apr 23;9(1):1606.

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

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