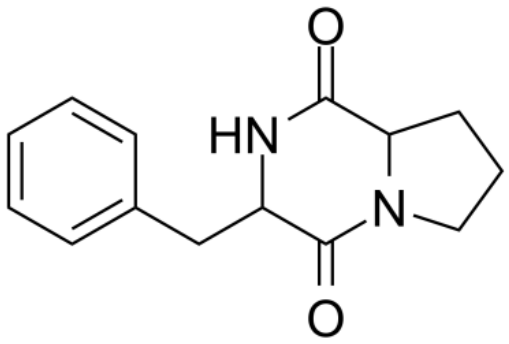
# Product Data Sheet

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.***
***Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com***
***Address: 10292 Central Ave. #205, Montclair, CA, USA***