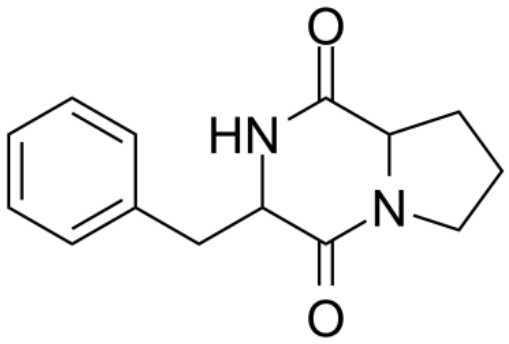
Product Data Sheet

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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