

Benzathine

Chemical Properties

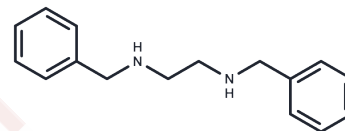
CAS No. : 140-28-3

Formula: C₁₆H₂₀N₂

Molecular Weight: 240.34

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Benzathine is a diamine used as a component in some medications including benzathine benzylpenicillin and benzathine phenoxymethylpenicillin. When injected into tissues, it stabilizes penicillin and prolongs its sojourn.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1608 mL	20.8039 mL	41.6077 mL
5 mM	0.8322 mL	4.1608 mL	8.3215 mL
10 mM	0.4161 mL	2.0804 mL	4.1608 mL
50 mM	0.0832 mL	0.4161 mL	0.8322 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

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- Pasquini L, Magro-Malosso ER, Cordisco A, Trotta M, Di Tommaso M. Latent Syphilis Infection in Pregnancy: An Ultrasound Diagnosed Case of Penicillin Treatment Failure. *Case Rep Obstet Gynecol*. 2018 Jul 26;2018:8706738. doi: 10.1155/2018/8706738. eCollection 2018. PubMed PMID: 30147973; PubMed Central PMCID: PMC6083644.
- Eyer-Silva WA, Souza VPB, Silva GARD, Brasil FV, Portela ADS, Carvalho RS, Neves-Motta R, Martins CJ. Secondary syphilis presenting as a corymbiform syphilide: case report and review. *Rev Inst Med Trop Sao Paulo*. 2018 Aug 20; 60:e40. doi: 10.1590/S1678-9946201860040. PubMed PMID: 30133600; PubMed Central PMCID: PMC6103325.
- Duarte JM, Rodríguez Cairoli F, Saguier Padilla I, Ramos SG, Barcia RE, Arévalo CE. [Chronic inflammatory demyelinating polyneuropathy in a diabetic patient with syphilis]. *Medicina (B Aires)*. 2018;78(4):286-289. Spanish. PubMed PMID: 30125257.

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