

Methopterin

Chemical Properties

CAS No.:	2410-93-7
Formula:	C ₂₀ H ₂₁ N ₇ O ₆
Molecular Weight:	455.43
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Methopterin shows the activation and bone resorption function of murine osteoclasts.
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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	2.196 mL	10.979 mL	21.957 mL
5 mM	0.439 mL	2.196 mL	4.391 mL
10 mM	0.220 mL	1.098 mL	2.196 mL
50 mM	0.044 mL	0.220 mL	0.439 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Li L, Wang JJ, Cheng JM. [Laparoscopic salpingotomy for tubal pregnancy: comparison of linear salpingotomy with and without suturing]. Zhonghua Yi Xue Za Zhi. 2016 Aug 9;96(30):2424-6. doi: 10.3760/cma.j.issn.0376-2491.2016.30.012. Chinese. PubMed PMID: 27545036.
2. Zou B, Han Z, Wang Z, Bian J, Xu J, Wang H, Yang M, Pei F, Li S, Xu Z. Neoadjuvant therapy combined with a BMP regimen for treating penile cancer patients with lymph node metastasis: a retrospective study in China. J Cancer Res Clin Oncol. 2014 Oct;140(10):1733-8. doi: 10.1007/s00432-014-1720-5. Epub 2014 Jun 7. PubMed PMID: 24906876.
3. Li P, Wang L, Wang WJ. [Effects of methopterin on osteoclasts and study of its mechanism of action]. Yao Xue Xue Bao. 2008 Oct;43(10):1025-31. Chinese. PubMed PMID: 19127866.
4. Yu JP, Zhang YZ, Li XY. [Effect of strengthening Pi and activating blood circulation therapy on serum levels of adrenocorticotrophic hormone and vascular endothelial growth factor in rheumatoid arthritis patients]. Zhongguo Zhong Xi Yi Jie He Za Zhi. 2007 Jul;27(7):593-5. Chinese. PubMed PMID: 17717914.

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481