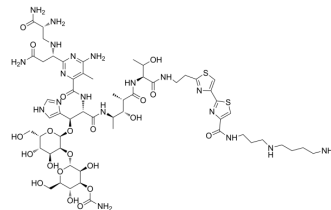


Bleomycin A5

Cat. No.:	HY-N10470
CAS No.:	11116-32-8
Molecular Formula:	C ₅₇ H ₈₉ N ₁₉ O ₂₁ S ₂
Molecular Weight:	1440.56
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 100 mg/mL (69.42 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.6942 mL	3.4709 mL	6.9417 mL
	5 mM	0.1388 mL	0.6942 mL	1.3883 mL
	10 mM	0.0694 mL	0.3471 mL	0.6942 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Bleomycin A5 (Pingyangmycin) is an orally active glycopeptide antibiotics. Bleomycin A5 has a role as an antineoplastic agent, an apoptosis inducer and a bacterial metabolite^{[1][2]}.

In Vitro

Bleomycin A5 (Pingyangmycin) can inhibit the growth of tumor^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo

Bleomycin A5 (Pingyangmycin) (oral; 18 daily doses of 5 mg/kg) occurs anorexia, cachexia, skin ulcerations, and death and observes interstitial pneumonia, nephrosis and focal necrosis of the adrenal cortex^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Yaowu Yang, et al. Bleomycin A5 sclerotherapy for cervicofacial lymphatic malformations. J Vasc Surg. 2011 Jan;53(1):150-5.

[2]. Lin Fu-Tian, et al. Antitumor activity and preclinical pharmacological study of pingyangmycin. Zhonghua Zhongliu Zazhi. Volume: 1. Issue: 3. Pages: 161-6. Journal; English Abstract; Article. 1979.

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

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