Bleomycin A5

Cat. No.: HY-N10470

CAS No.: 11116-32-8

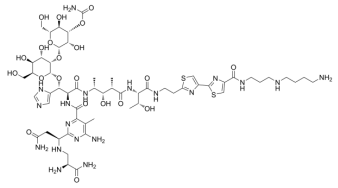
Molecular Formula: $C_{57}H_{89}N_{19}O_{21}S_2$

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

H_2O : ≥ 100 mg/mL (69.42 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	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.

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