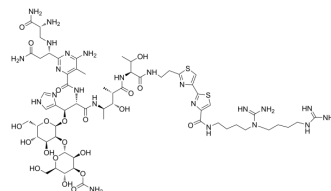


Bleomycin B4

Cat. No.:	HY-N10469
CAS No.:	9060-11-1
Molecular Formula:	C ₆₀ H ₉₅ N ₂₃ O ₂₁ S ₂
Molecular Weight:	1538.67
Target:	Antibiotic
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (16.25 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
	1 mM		0.6499 mL	3.2496 mL	6.4991 mL
	5 mM		0.1300 mL	0.6499 mL	1.2998 mL
	10 mM		0.0650 mL	0.3250 mL	0.6499 mL

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

BIOLOGICAL ACTIVITY

Description

Bleomycin B4 (Phleomycin F) is an antibiotic. Bleomycin B4 has antitumor activity. Bleomycin B4 can be used for the research of cancer^{[1][2][3]}.

REFERENCES

- [1]. T P Korobkova, et al. Optimization of the nutrient medium makeup for the biosynthesis of bleomycine antibiotic using a mathematical method of experimental design. Antibiotiki. 1978 Dec;23(12):1065-8.
- [2]. VA Zenkova, et al. Physicochemical and biological properties of bleomycin complex antibiotics. Antibiotiki. 1979 Mar;24(3):175-9.
- [3]. A Yagoda, et al. Bleomycin, an antitumor antibiotic. Clinical experience in 274 patients. Ann Intern Med. 1972 Dec;77(6):861-70.

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

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