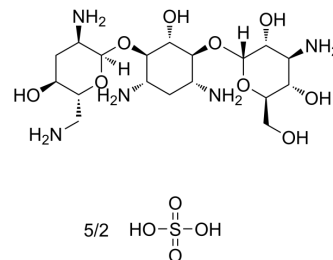


Tobramycin sulfate

Cat. No.:	HY-B0441A		
CAS No.:	49842-07-1		
Molecular Formula:	C ₁₈ H ₃₇ N ₅ O ₉ ·5/2H ₂ O ₄ S		
Molecular Weight:	712.18		
Target:	Bacterial; Antibiotic		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 250 mg/mL (351.03 mM; Need ultrasonic)

DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.4041 mL	7.0207 mL	14.0414 mL
	5 mM	0.2808 mL	1.4041 mL	2.8083 mL
	10 mM	0.1404 mL	0.7021 mL	1.4041 mL

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

BIOLOGICAL ACTIVITY

Description

Tobramycin sulfate (Nebramycin Factor 6 sulfate) is a parenterally administered, broad spectrum aminoglycoside antibiotic that is widely used in the treatment of moderate to severe bacterial infections due to sensitive organisms^[1].

IC₅₀ & Target

Aminoglycoside

CUSTOMER VALIDATION

- Nat Commun. 2022 Mar 2;13(1):1116.
- Food Chem. 2022 Sep 26;403:134399.
- ACS Infect Dis. 2024 Apr 12;10(4):1327-1338.
- Appl Microbiol Biotechnol. 2022 Apr;106(7):2689-2702.

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- Curr Microbiol. 2021 Dec 14;79(1):12.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Tobramycin.

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

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