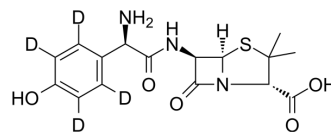


Amoxicillin-d₄

Cat. No.:	HY-B0467S	
CAS No.:	2673270-36-3	
Molecular Formula:	C ₁₆ H ₁₅ D ₄ N ₃ O ₅ S	
Molecular Weight:	369.43	
Target:	Bacterial	
Pathway:	Anti-infection	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (270.69 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7069 mL	13.5344 mL	27.0687 mL
	5 mM	0.5414 mL	2.7069 mL	5.4137 mL
	10 mM	0.2707 mL	1.3534 mL	2.7069 mL

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

BIOLOGICAL ACTIVITY

Description

Amoxicillin-d₄ is a deuterium labeled Amoxicillin. Amoxicillin is an antibiotic with good oral absorption and broad spectrum antimicrobial activity[1][2].

REFERENCES

- [1]. Geddes AM, et al. Introduction: historical perspective and development of amoxicillin/clavulanate. Int J Antimicrob Agents. 2007 Dec;30 Suppl 2:S109-12.
- [2]. Handsfield HH, et al. Amoxicillin, a new penicillin antibiotic. Antimicrob Agents Chemother. 1973 Feb;3(2):262-5.

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

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