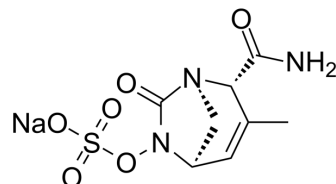


Durlobactam sodium

Cat. No.:	HY-117974
CAS No.:	1467157-21-6
Molecular Formula:	C ₈ H ₁₀ N ₃ NaO ₆ S
Molecular Weight:	299.24
Target:	Bacterial
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 250 mg/mL (835.45 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.3418 mL	16.7090 mL	33.4180 mL
	5 mM	0.6684 mL	3.3418 mL	6.6836 mL
	10 mM	0.3342 mL	1.6709 mL	3.3418 mL

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

BIOLOGICAL ACTIVITY

Description

Durlobactam sodium salt (ETX2514) is a broad-spectrum β-lactamase inhibitor with IC₅₀s of 4, 14 and 190 nM for Class A KPC-2, Class C AmpC and Class D OXA-24, respectively. For the treatment of drug-resistant Gram-negative bacteria including *Acinetobacter baumannii*^[1].

IC₅₀ & Target

IC₅₀: 4 nM (Class A KPC-2), 14 nM (Class C AmpC), 190 nM (Class D OXA-24)^[1].

REFERENCES

[1]. Durand-Réville TF, et al. ETX2514 is a broad-spectrum β-lactamase inhibitor for the treatment of drug-resistant Gram-negative bacteria including *Acinetobacter baumannii*. *Nat Microbiol.* 2017 Jun 30;2:17104.

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

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