

Product Name : BAL30072

Synonyms : BAL 30072

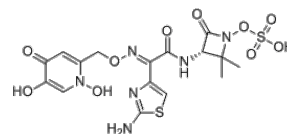
Cat No. : M16733

CAS Number : 941285-15-0

Molecular Formula : C₁₆H₁₈N₆O₁₀S₂

Formula Weight : 518.47

Chemical Name : (aZ)-2-Amino-a-[[[(1,4-dihydro-1,5-dihydroxy-4-oxo-2-pyridinyl)methoxy]imino]-N-[(3S)-2,2-dimethyl-4-oxo-1-(sulfooxy)-3-azetidiny]-4-thiazoleacetamide



Description : BAL30072 is a monocyclic beta-lactam antibiotic that shows potent activity against MDR *Pseudomonas aeruginosa* and *Acinetobacter* sp. Isolates with MIC₉₀ of 8 and 4 ug/ml; BAL30072 is also active against many species of MDR isolates of the Enterobacteriaceae family, including isolates that had a class A carbapenemase or a metallo-beta-lactamase; trigger the spheroplasting and lysis of *Escherichia coli* rather than the formation of extensive filaments. Bacterial Infection Phase 1 Clinical

Pathway : GPCR/G Protein

Target : Antibacterial

Receptor : Antibacterial

Solubility : —

SMILES : CC1([C@@H](C(=O)N1OS(=O)(=O)O)NC(=O)/C(=N\OCc2cc(=O)c(cn2O)O)/c3csc(n3)N)C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Page MG, et al. Antimicrob Agents Chemother. 2010 Jun;54(6):2291-302. | 2. Russo TA, et al. J Antimicrob Chemother. 2011 Apr;66(4):867-73. | 3. Mima T, et al. Int J Antimicrob Agents. 2011 Aug;38(2):157-9. | 4. Homsey M, et al. Int J Antimicrob Agents. 2013 Oct;42(4):343-6.