

**Product Name** : LYS228

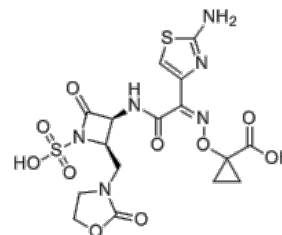
**Synonyms** : LYS-228;LYS 228

**Cat No.** : M12777

**CAS Number** : 1810051-96-7

**Molecular Formula** : C<sub>16</sub>H<sub>18</sub>N<sub>6</sub>O<sub>10</sub>S<sub>2</sub>

**Formula Weight** : 518.47



**Chemical Name** : 1-((((Z)-1-(2-aminothiazol-4-yl)-2-oxo-2-(((3S,4R)-2-oxo-4-((2-oxooxazolidin-3-yl)methyl)-1-sulfoazetidin-3-yl)amino)ethylidene)amino)oxy)cyclopropane-1-carboxylic acid

**Description** : LYS228 is a novel potent monobactam that shows potent activity against carbapenem-resistant isolates of Enterobacteriaceae with MIC<sub>90</sub> of 2 ug/ml; LYS228 is stable against Metallo-β-lactamases (MBLs), and shows small or no MIC shifts for most SBLs (serine β-lactamases), including CTX-Ms, KPCs and OXA-types. Bacterial Infection Phase 2 Clinical

**Pathway** : GPCR/G Protein

**Target** : Antibacterial

**Receptor** : Antibacterial

**Solubility** : —

**SMILES** : C1CC1(C(=O)O)ON=C(C2=CSC(=N2)N)C(=O)NC3C(N(C3=O)S(=O)(=O)O)CN4CCOC4=O

**Storage** : (-20°C)

**Stability** : ≥ 2 years

**Reference** :

1. Reck F, et al. Bioorg Med Chem Lett. 2018 Feb 15;28(4):748-755.