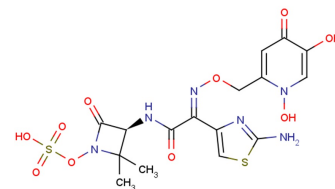


BAL-30072

**Chemical Properties**

CAS No.: 941285-15-0  
Formula: C<sub>16</sub>H<sub>18</sub>N<sub>6</sub>O<sub>10</sub>S<sub>2</sub>  
Molecular Weight: 518.48  
Appearance: N/A  
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	BAL30072 shows MIC <sub>90</sub> values of 4 µg/mL for MDR <i>Acinetobacter</i> spp. and 8 µg/mL for MDR <i>P. aeruginosa</i> , respectively[1][2]. BAL-30072, a siderophore sulfactam, is a monocyclic beta-lactam antibiotic, with activity against multiresistant gram-negative bacilli.
Targets(IC <sub>50</sub> )	MDR <i>Acinetobacter</i> spp.: (MIC <sub>90</sub> ) 4 µg/ml MDR <i>P. aeruginosa</i> : 8 µg/ml

**Solubility Information**

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.929 mL	9.644 mL	19.287 mL
5 mM	0.386 mL	1.929 mL	3.857 mL
10 mM	0.193 mL	0.964 mL	1.929 mL
50 mM	0.039 mL	0.193 mL	0.386 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Page MG, et al. In vitro properties of BAL30072, a novel siderophore sulfactam with activity against multiresistant gram-negative bacilli. *Antimicrob Agents Chemother.* 2010 Jun;54(6):2291-302.
2. Michael Hornsey, et al. In vitro activity of the novel monosulfactam BAL30072 alone and in combination with meropenem versus a diverse collection of important Gram-negative pathogens. *Int J Antimicrob Agents.* 2013 Oct;42(4):343-6.

Inhibitors · Natural Compounds · Compound Libraries

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