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**Product Data Sheet**


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Product Name: BAL-30072

Cat. No.: GC35464

**Chemical Properties**

Cas. No. 941285-15-0

SMILES O=C(N[C@H]1C(C)(C)N(OS(=O)(O)=O)C1=O)/C(C2=CSC(N)=N2)=N/OCC3=CC(C(O)=CN3O)=O

Formula C16H18N6O10S2 M.Wt 518.48

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

BAL-30072, a siderophore sulfactam, is a monocyclic beta-lactam antibiotic, with activity against multiresistant gram-negative bacilli. BAL30072 shows MIC90 values of 4 µg/mL for MDR Acinetobacter spp. and 8 µg/mL for MDR P. aeruginosa, respectively[1][2]. MIC90: 4 µg/mL (MDR Acinetobacter spp.), 8 µg/mL (MDR P. aeruginosa)[1][2].

[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.

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

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