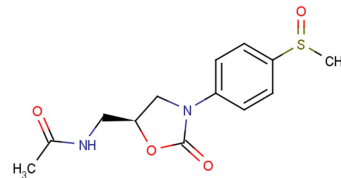


DuP 105

Chemical Properties

CAS No.: 96800-41-8
Formula: C₁₃H₁₆N₂O₄S
Molecular Weight: 296.34
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	DuP 105 is an orally active oxazolidinone, a new class of synthetic antimicrobial agent with activity against gram-positive bacteria.
Targets(IC ₅₀)	Others: None
In vitro	DuP 105 MICs for 50% of the 216 gram-positive isolates tested (MIC ₅₀ s) range from 4.0 to 16 µg/mL. DuP 105 shows inhibitory activities against staphylococcal isolates and <i>B. fragilis</i> isolates with MIC ₉₀ s of 4 to 16 µg/mL and 16 µg/mL.
In vivo	DuP 105 administered by either the oral or the parenteral route is protective against staphylococcal and streptococcal infections in mice with the 50% effective doses of 9 to 23 mg/kg.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.375 mL	16.873 mL	33.745 mL
5 mM	0.675 mL	3.375 mL	6.749 mL
10 mM	0.337 mL	1.687 mL	3.375 mL
50 mM	0.067 mL	0.337 mL	0.675 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. Slee AM, et al. Oxazolidinones, a new class of synthetic antibacterial agents: in vitro and in vivo activities of DuP 105 and DuP 721. *Antimicrob Agents Chemother.* 1987 Nov;31(11):1791-7.
2. Barry AL, et al. In vitro evaluation of DuP 105 and DuP 721, two new oxazolidinone antimicrobial agents. *Antimicrob Agents Chemother.* 1988 Jan;32(1):150-2.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481