

Product Data Sheet

Product Name: Dup-721
Cat. No.: GC62945

Chemical Properties

Cas. No. 104421-21-8

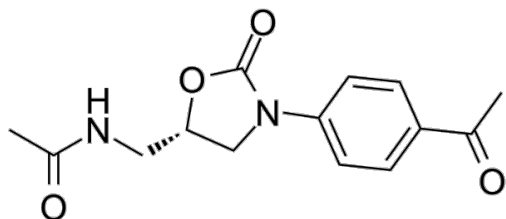
Formula $C_{14}H_{16}N_2O_4$ M.Wt 276.29

Solubility DMSO : 100 mg/mL (361.94 mM; Need ultrasonic) 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

DuP-721 is a broad spectrum and orally active antibacterial agent against a variety of clinically

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

susceptible and resistant bacteria, especially *M. tuberculosis*[1].

DuP-721 (1.5-4 µg/ml) inhibits equally the strains of *Mycobacterium tuberculosis* susceptible and resistant to conventional antituberculosis drug. And it does not show cross resistance to any of the anti-tuberculosis drugs tested[1]. DuP-721 is inactive against *M. avium* and *M. intracellulare* at 250 µg/ml. It inhibits *M. gordonae* and *M. fortuitum* at 3.9 µg/ml and *M. kansasii* and *M. scrofulaceum* at 1.95 µg/ml and 15.6 µg/ml, respectively[1].

DuP-721 (oral gavage; 50-160 mg/kg) is protective against *M. tuberculosis* infection in mice. DuP-721 protects 100% of the infected animals at 50 mg/kg p.o. dose when administered daily for 17 days, and the same effect is observed at 160 mg/kg dose when the drug is administered only on day 11 and 12 post infection[1].

[1]. Affiliatio, et al. Antimycobacterial activities of oxazolidinones: a review. *Infect Disord Drug Targets*. 2006 Dec;6(4):343-54.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA