



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** AZD5847

**Catalog Number:** 12864

**Lot Number:** I01503

**Release Category:** E

**Provided:** 20 mg

**Description:** An oxazolidinone that inhibits *Mycobacterium tuberculosis* growth.

**Special Characteristics:** This compound blocks initiation of protein synthesis by binding to the 50S ribosomal subunit. It is active against slowly dividing as well as intracellular *M. tuberculosis*.  
Molecular formula: C<sub>21</sub>H<sub>21</sub>F<sub>2</sub>N<sub>3</sub>O<sub>7</sub>  
Molecular weight: 465.41 g/mol

**Recommended Storage:** Room temperature. Once resuspended, working aliquots can be stored at -20°C.

**Contributor:** AstraZeneca

**References:** Balasubramanian, V., Solapure, S., Iyer, H., Ghosh, A., Sharma, S., Kaur, P.,... (2014). Bactericidal activity and mechanism of action of AZD5847, a novel oxazolidinone for treatment of tuberculosis. *Antimicrob Agents Chemother*, 58(1), 495-502. doi:10.1128/AAC.01903-13 [PUBMED](#)  
Furin, J. J., Du Bois, J., van Brakel, E., Chheng, P., Venter, A., Peloquin, C. A.,... (2016). Early Bactericidal Activity of AZD5847 in Patients with Pulmonary Tuberculosis. *Antimicrob Agents Chemother*, 60(11), 6591-6599. doi:10.1128/AAC.01163-16 [PUBMED](#)

**Last Updated:** January 19, 2018

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ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

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