

LpxC-IN-5 biochemical

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CATALOG #
AAA228277

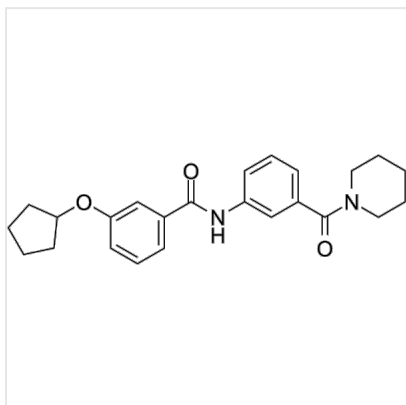
PRODUCT SYNONYMS

LpxC-IN-5; LpxC-IN-5 biochemical

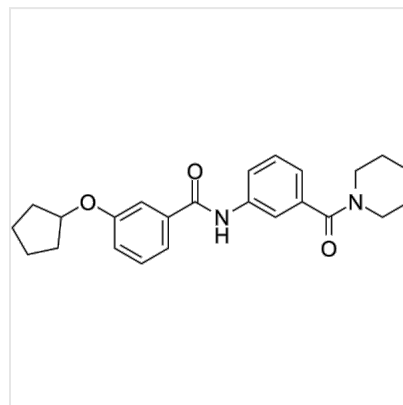
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	2253951-38-9
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	LpxC is a zinc metalloenzyme that catalyzes the first committed step in the biosynthesis of Lipid A, an essential component of the cell envelope of Gram-negative bacteria[1].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
GLP-1R modulator L7-028, CAS 2648317-95-5



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ADDITIONAL INFORMATION

Related Product Information for LpxC-IN-5 biochemical	LpxC-IN-5 is a potent non-hydroxamate LpxC (UDP-3-O-acyl-N-acetylglucosamine deacetylase) inhibitor with an IC ₅₀ of 20 nM. LpxC-IN-5 shows antibacterial activity against <i>E. coli</i> 25922, <i>P. aeruginosa</i> 27853, <i>K. pneumoniae</i> 13883 and <i>P. aeruginosa</i> 5567 with MIC of 16, 4, 64, and 4 ug/mL, respectively.
References	1. Wang J, et al. Allosteric Modulators Enhancing GLP-1 Binding to GLP-1R via a Transmembrane Site. <i>ACS Chem Biol.</i> 2021 Nov 19;16(11):2444-2452.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.