

Product Datasheet

MSU-44147 (orb3173005)

Catalog Number	orb3173005
Category	Small Molecules
Description	MSU-44147 is a small-molecule inhibitor that targets the membrane transport protein MmpL3 in Mycobacterium abscessus. MSU-44147 exhibits selective anti-mycobacterial activity and low cytotoxicity toward eukaryotic cells. By inhibiting MmpL3-mediated lipid transport, MSU-44147 disrupts cell wall synthesis and biofilm formation, and exhibits bactericidal activity against intracellular bacteria; simultaneously, it produces additive or synergistic effects when used in combination with various antibiotics.
Target	Antibacterial
Purity	99.81% (May vary between batches)
MW	313.36
CAS Number	3105177-29-2
Formula	C ₁₇ H ₂₂ F ₃ NO
SMILES	<chem>O=C(NCCC1=CC=C(C=C1)C(F)(F)F)C2(C)CCCCC2</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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