

Product Datasheet

Antifungal agent 137 (orb3173785)

Catalog Number	orb3173785
Category	Small Molecules
Description	Antifungalagent 137 (Compound 4S) is an antifungal compound that inhibits Phomopsis sp. (PS) with an EC50 value of 0.15 µg/mL. It targets lanosterol 14α-demethylase (CYP51) with an IC50 value of 5.00 µg/mL. Additionally, it disrupts PS mycelial morphology, compromises cell membrane integrity, and increases intracellular ROS levels, inducing oxidative stress. This compound is useful for research on fungal infections.
Target	Cytochromes P450,Antifungal,ROS
MW	499.48
CAS Number	3032062-22-6
Formula	C ₂₁ H ₂₁ F ₄ N ₅ O ₃ S
SMILES	<chem>O=S(=O)(C1=CC(F)=CC=C1F)N2CCN(CC2)CC(O)(C3=CC=C(F)C=C3F)CN4N=CN=C4</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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