

## Product Datasheet

### MFB-1041 (orb2664075)

|                        |                                                                                                                                                                                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>  | orb2664075                                                                                                                                                                                                                                                                                                           |
| <b>Category</b>        | Small Molecules                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>     | MFB-1041 is an orally administered small molecule antifungal compound. Despite its low oral bioavailability, it exhibits significant serum protein binding. This agent is utilized in research to study antifungal mechanisms and pharmacokinetics, particularly in models investigating systemic fungal infections. |
| <b>MW</b>              | 444.46                                                                                                                                                                                                                                                                                                               |
| <b>CAS Number</b>      | 151856-47-2                                                                                                                                                                                                                                                                                                          |
| <b>Formula</b>         | C <sub>19</sub> H <sub>18</sub> F <sub>2</sub> N <sub>8</sub> OS                                                                                                                                                                                                                                                     |
| <b>SMILES</b>          | <chem>C(CN1C=NC=N1)(C(SC2=CC=C(N=N2)N3C=NC=N3)(C)C)(O)C4=C(F)C=C(F)C=C4</chem>                                                                                                                                                                                                                                       |
| <b>Storage</b>         | -20°C                                                                                                                                                                                                                                                                                                                |
| <b>Note</b>            | For research use only                                                                                                                                                                                                                                                                                                |
| <b>Expiration Date</b> | 12 months from date of receipt.                                                                                                                                                                                                                                                                                      |

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