

TPS1-IN-1

## Chemical Properties

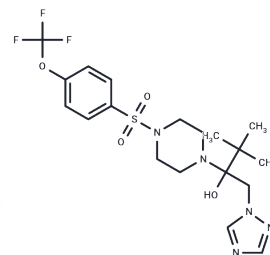
CAS No. :

Formula: C19H26F3N5O4S

Molecular Weight: 477.50

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	TPS1-IN-1 (Compound O1) is a potent and broad-spectrum inhibitor of TPS1. It exhibits IC50 values of 14.73 $\mu$ M for MoTPS1 (Magnaporthe oryzae TPS1) and 59.99 $\mu$ M for BcTPS1 (Botrytis cinerea TPS1). TPS1-IN-1 exerts its broad-spectrum fungicidal effects by disrupting spore germination, appressorium formation, and turgor pressure accumulation in fungi. With good safety profiles, TPS1-IN-1 has potential as a candidate for novel fungicide development.
Targets(IC50)	Antifungal

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0942 mL	10.4712 mL	20.9424 mL
5 mM	0.4188 mL	2.0942 mL	4.1885 mL
10 mM	0.2094 mL	1.0471 mL	2.0942 mL
50 mM	0.0419 mL	0.2094 mL	0.4188 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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