

HPPD-IN-4

Chemical Properties

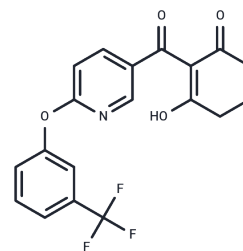
CAS No. : 3028731-23-6

Formula: C₁₉H₁₄F₃N₂O₄

Molecular Weight: 377.31

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	HPPD-IN-4 (Compound III-29) serves as a selective HPPD inhibitor, demonstrating an IC ₅₀ value of 0.19 μM. It is primarily utilized in research focused on high-efficiency herbicides [1].
Targets(IC ₅₀)	Reactive Oxygen Species

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6503 mL	13.2517 mL	26.5034 mL
5 mM	0.5301 mL	2.6503 mL	5.3007 mL
10 mM	0.265 mL	1.3252 mL	2.6503 mL
50 mM	0.053 mL	0.265 mL	0.5301 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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