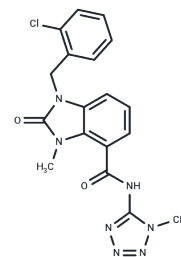


## HPPD-IN-3

## Chemical Properties

CAS No. :	3024245-46-0
Formula:	C <sub>18</sub> H <sub>16</sub> ClN <sub>7</sub> O <sub>2</sub>
Molecular Weight:	397.82
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-3 (compound 25) serves as a potent inhibitor of 4-Hydroxyphenylpyruvate dioxygenase (HPPD) and exhibits greater efficacy than Mesotrione, featuring an IC <sub>50</sub> of 10 nM [1].
Targets(IC <sub>50</sub> )	Reactive Oxygen Species
In vitro	HPPD-IN-3 (compound 25) exhibits over 80% herbicidal activity against A.T., A.R., and E. C. at a dosage of 150 g ai/ha [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5137 mL	12.5685 mL	25.137 mL
5 mM	0.5027 mL	2.5137 mL	5.0274 mL
10 mM	0.2514 mL	1.2568 mL	2.5137 mL
50 mM	0.0503 mL	0.2514 mL	0.5027 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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