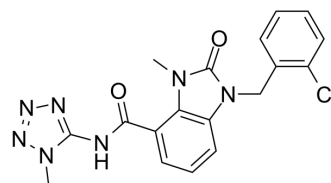


HPPD-IN-3

Cat. No.:	HY-161308
CAS No.:	3024245-46-0
Molecular Formula:	C ₁₈ H ₁₆ ClN ₇ O ₂
Molecular Weight:	397.82
Target:	HPPD
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HPPD-IN-3 (compound 25) is a potent inhibitor of 4-Hydroxyphenylpyruvate dioxygenase (HPPD), with IC ₅₀ of 10 nM, more potency than Mesotrione (HY-12853) ^[1] .
In Vitro	HPPD-IN-3 (compound 25) (150 g ai/ha) achieves more than 80% herbicidal activities on A.T., A.R., and E.C. at a dosage of 150 g ai/ha ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Zhuo-Mei Cai, et al. Discovery of Tetrazolamide-benzimidazol-2-ones as Novel 4-Hydroxyphenylpyruvate Dioxygenase Inhibitors. J Agric Food Chem. 2024 Feb 28;72(8):3884-3893.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA