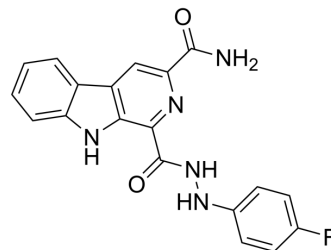


## Gamma-Glutamyl Transferase-IN-1

Cat. No.:	HY-154993
CAS No.:	2956809-71-3
Molecular Formula:	C <sub>19</sub> H <sub>14</sub> FN <sub>5</sub> O <sub>2</sub>
Molecular Weight:	363.35
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Gamma-Glutamyl Transferase-IN-1 (compound 4de) is a $\beta$ -carboline 1-hydrazide inhibitor with antifungal and antibacterial activities, targeting to glutamyltransferase. Gamma-Glutamyl Transferase-IN-1 acts function by resulting the accumulation of reactive oxygen species, destruction of cell membranes, and dysregulation of histone acetylation <sup>[1]</sup> .
IC <sub>50</sub> & Target	Gamma-Glutamyl Transferase <sup>[1]</sup>

### REFERENCES

[1]. Sheng T, et al. Chromatography-Free Synthesis of  $\beta$ -Carboline 1-Hydrazides and an Investigation of the Mechanism of Their Bioactivity: The Discovery of  $\beta$ -Carbolines as Promising Antifungal and Antibacterial Candidates. *J Med Chem.* 2023 Jul 13;66(13):9040-9056.

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

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