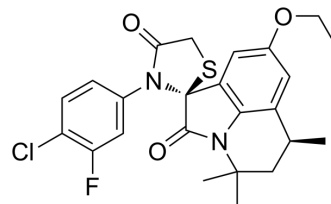


## DHFR-IN-13

Cat. No.:	HY-161010
Molecular Formula:	C <sub>24</sub> H <sub>24</sub> ClFN <sub>2</sub> O <sub>3</sub> S
Molecular Weight:	474.98
Target:	Dihydrofolate reductase (DHFR)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	DHFR-IN-13 (Compd Hit8) is an active <i>R. solani</i> DHFR inhibitor with an IC <sub>50</sub> value of 10.2 μM. DHFR-IN-13 has selectivity of inhibition against human DHFR with an IC <sub>50</sub> value of 227.7 μM. DHFR-IN-13 also is a fungicide. DHFR-IN-13 has high antifungal activity against <i>R. solani</i> with EC <sub>50</sub> value of 38.2 mg/L <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC50: 10.2 μM ( <i>R. solani</i> DHFR); 227.7 μM (human DHFR); EC50: 38.2 mg/L ( <i>R. solani</i> ) <sup>[1]</sup>

### REFERENCES

[1]. Feng R, et al. Discovery of Novel *Rhizoctonia solani* DHFR Inhibitors as Fungicides Using Virtual Screening. *J Agric Food Chem*. 2023 Dec 13;71(49):19385-19395.

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

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