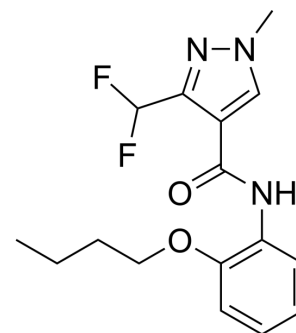


SDH-IN-5

Cat. No.:	HY-149876
CAS No.:	2922765-95-3
Molecular Formula:	C ₁₆ H ₁₉ F ₂ N ₃ O ₂
Molecular Weight:	323.34
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

SDH-IN-5 (compound 7d) is a potent succinate dehydrogenase (SDH) inhibitor, with an IC₅₀ of 3.293 μM. SDH-IN-5 is also exhibits antifungal activity, with an EC₅₀ of 0.046 μg/mL against *R. solani*. SDH-IN-5 could significantly inhibit the growth of *R. solani* in rice leaves with excellent protective and curative efficacies^[1].

REFERENCES

[1]. Luo B, et, al. Design, Synthesis, and Antifungal Activities of Novel Pyrazole-4-carboxamide Derivatives Containing an Ether Group as Potential Succinate Dehydrogenase Inhibitors. *J Agric Food Chem.* 2023 Jun 21;71(24):9255-9265.

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