

Product Data Sheet

Product Name: SDH-IN-5

Cat. No.: GC75421

Chemical Properties

Cas. No. 2922765-95-3

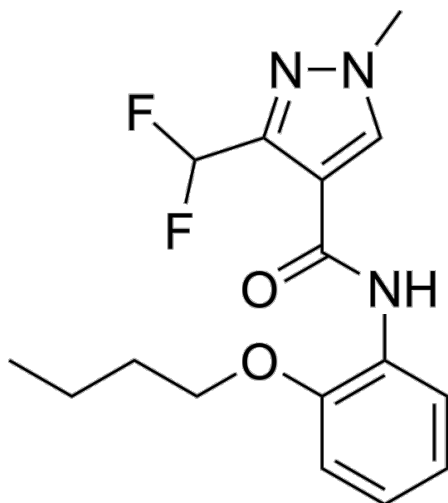
Formula $C_{16}H_{19}F_2N_3O_2$ M.Wt 323.34

Solubility DMSO: 100 mg/mL (309.27 mM; Need ultrasonic) Storage $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

SDH-IN-5 (compound 7d) is a potent succinate dehydrogenase (SDH) inhibitor, with an IC_{50} of 3.293 μM . SDH-IN-5 also exhibits antifungal activity, with an EC_{50} of 0.046 $\mu g/mL$ 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

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Derivatives Containing an Ether Group as Potential Succinate Dehydrogenase Inhibitors. J Agric Food Chem. 2023 Jun 21;71(24):9255-9265.

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