
Product Data Sheet

Product Name: SDH-IN-1
Cat. No.: GC68465

Chemical Properties

Cas. No. 2685795-52-0

Formula $C_{14}H_9Cl_2N_3O_2S$

M.Wt 354.21

Solubility DMSO : 16.67 mg/mL (47.06 mM; ultrasonic and warming and heat to 80°C)

Storage 4°C, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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-1 (compound 4i) is a **succinate dehydrogenase (SDH)** inhibitor with an **IC₅₀** of 4.53 μM. SDH-IN-1 has potent antifungal activities. SDH-IN-1 displays potent activity against *S. sclerotiorum* (**EC₅₀** of 0.14 mg/L)^[1].

[1]. Zihui Yang, et al. Design, Synthesis, and Antifungal Activity of Novel Thiophene/Furan-1,3,4-Oxadiazole Carboxamides as Potent Succinate Dehydrogenase Inhibitors. J Agric Food Chem. 2021 Nov 17;69(45):13373-13385.

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