

Product Datasheet

SDH-IN-1

Catalog No. **BP-02379** · CAS **2685795-52-0** · Form **free base** · Physical state **other** · Color **White to off-white** · Version **1.0** · Revision **2026-09-11**

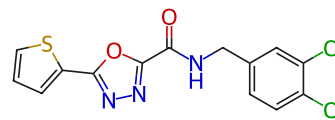
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Target Fungal	Research area Infection
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Molecular formula **C₁₄H₉Cl₂N₃O₂S**

Molecular weight **354.2110**

STRUCTURE



DESCRIPTION

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) .

SOLUBILITY

Soluble in DMSO

In vitro DMSO : 16.67 mg/mL

REFERENCES

[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.

Tel: +86 20 31130026 · Fax: +86 20 36822386 · tech@biochemprobe.com · www.biochemprobe.com

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