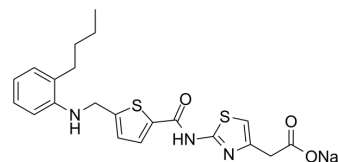


SCD1 inhibitor-1

Cat. No.:	HY-112812
CAS No.:	1069094-65-0
Molecular Formula:	C ₂₁ H ₂₂ N ₃ NaO ₃ S ₂
Molecular Weight:	451.54
Target:	Stearoyl-CoA Desaturase (SCD)
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture
* The compound is unstable in solutions, freshly prepared is recommended.	



SOLVENT & SOLUBILITY

In Vitro

DMSO : 8.33 mg/mL (18.45 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.2146 mL	11.0732 mL	22.1464 mL
	5 mM		0.4429 mL	2.2146 mL	4.4293 mL
	10 mM		0.2215 mL	1.1073 mL	2.2146 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	SCD1 inhibitor-1 is a potent and liver-selective stearoyl-CoA desaturase-1 (SCD1) inhibitor ^[1] .
IC ₅₀ & Target	SCD1 ^[1]

REFERENCES

[1]. Iida T, et al. Discovery of potent liver-selective stearoyl-CoA desaturase-1 (SCD1) inhibitors, thiazole-4-acetic acid derivatives, for the treatment of diabetes, hepatic steatosis, and obesity. Eur J Med Chem. 2018 Oct 5;158:832-852.

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