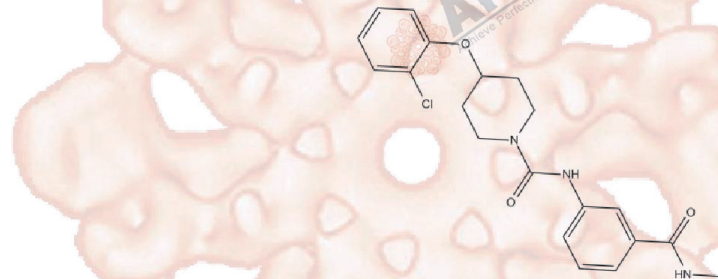


Product Data Sheet

A939572

Cat. No.:	B3607
CAS No.:	1032229-33-6
Formula:	C ₂₀ H ₂₂ CIN ₃ O ₃
M.Wt:	387.86
Synonyms:	
Target:	Metabolism
Pathway:	SCD
Storage:	Store at -20°C



Solvent & Solubility

insoluble in H₂O; ≥17.15 mg/mL in DMSO; ≥2.5 mg/mL in EtOH with ultrasonic

In Vitro	Preparing Stock Solutions	Mass			
		Solvent Concentration	1mg	5mg	10mg
		1 mM	2.5782 mL	12.8912 mL	25.7825 mL
		5 mM	0.5156 mL	2.5782 mL	5.1565 mL
		10 mM	0.2578 mL	1.2891 mL	2.5782 mL

Please refer to the solubility information to select the appropriate solvent

Biological Activity

Shortsummary	Stearoyl-CoA desaturase1 (SCD1) inhibitor	
IC ₅₀ & Target		
In Vitro	Cell Viability Assay	
	Preparation method:	
In Vivo	Animal experiment	
	Animal models:	ob/ob mice
	Dosage form:	10 mg/kg; b.i.d.
	Applications:	In ob/ob mice, A939572 lowered the desaturation index (18:0/18:1n9).

Moreover, A939572 reduced triglyceride desaturation index in a dose-dependent manner.

Other notes:

Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

Product Citations

See more customer validations on www.apexbt.com.

References

[1]. Xin Z, Zhao H, Serby M D, et al. Discovery of piperidine-aryl urea-based stearyl-CoA desaturase 1 inhibitors. *Bioorganic & medicinal chemistry letters*, 2008, 18(15): 4298-4302.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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