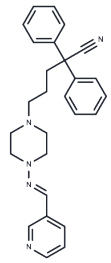
Data Sheet (Cat.No.T12856)

TargetMol

SC-26196

Chemical Properties



CAS No. : 218136-59-5

Formula: C27H29N5

Molecular Weight: 423.55

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	SC-26196 is an orally active inhibitor of Delta6 desaturase (D6D) with IC50 of 0.2 μM in a rat liver microsomal assay, with antiinflammatory properties.
Targets(IC50)	Others
In vitro	The FADS2 inhibitor SC26196 reduced PBMC, but not Jurkat cell, proliferation suggesting PUFA synthesis is involved in regulating mitosis in PBMCs[1].

Solubility Information

Solubility	DMSO: 4 mg/mL (9.44 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.361 mL	11.805 mL	23.610 mL
5 mM	0.4722 mL	2.361 mL	4.722 mL
10 mM	0.2361 mL	1.1805 mL	2.361 mL
50 mM	0.0472 mL	0.2361 mL	0.4722 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Sibbons CM, et al. Polyunsaturated Fatty Acid Biosynthesis Involving Δ8 Desaturation and Differential DNA Methylation of

Obukowicz MG, et al. Novel, selective delta6 or delta5 fatty acid desaturase inhibitors as antiinflammatory agents in mice. J Pharmacol Exp Ther. 1998 Oct;287(1):157-66.

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