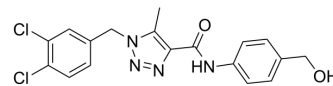


## GSK1940029

Cat. No.:	HY-19762		
CAS No.:	1150701-66-8		
Molecular Formula:	C <sub>18</sub> H <sub>16</sub> Cl <sub>2</sub> N <sub>4</sub> O <sub>2</sub>		
Molecular Weight:	391.25		
Target:	Stearoyl-CoA Desaturase (SCD)		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 32 mg/mL (81.79 mM)  
 \* "≥" means soluble, but saturation unknown.

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.5559 mL	12.7796 mL	25.5591 mL
5 mM	0.5112 mL	2.5559 mL	5.1118 mL
10 mM	0.2556 mL	1.2780 mL	2.5559 mL

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

### BIOLOGICAL ACTIVITY

#### Description

GSK1940029 (SCD inhibitor 1) is a stearoyl-coa desaturase (SCD) inhibitor extracted from patent WO/2009060053 A1, compound example 16.

#### IC<sub>50</sub> & Target

Stearoyl-CoA Desaturase (SCD)<sup>[1]</sup>

#### In Vitro

GSK1940029 (SCD inhibitor 1) is a stearoyl-coa desaturase (SCD), which can be used to treat and/or preventing various diseases, including those mediated by SCD enzyme, such as diseases related to elevated lipid levels, cardiovascular disease, diabetes, obesity, metabolic syndrome, skin disorders such as acne, diseases or conditions related to cancer and the treatment of symptoms linked to the production of the amyloid plaque-forming Aβ<sub>42</sub> peptide such as Alzheimer's disease<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### CUSTOMER VALIDATION

- 
- Mol Cell. 2019 Mar 7;73(5):1001-1014.e8.
  - Int J Mol Sci. 2020 Jul 22;21(15):5193.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[1]. Anne Marie Jeanne Bouillot, et al. 1, 2, 3-triazole derivatives for use as stearyl-coa desaturase inhibitors . PCT Int. Appl. (2009), WO 2009060053 A1 20090514.

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**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](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA