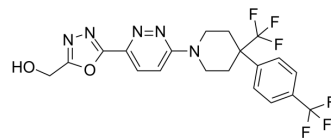


T-3764518

Cat. No.:	HY-102045
CAS No.:	1809151-56-1
Molecular Formula:	C ₂₀ H ₁₇ F ₆ N ₅ O ₂
Molecular Weight:	473.37
Target:	Stearoyl-CoA Desaturase (SCD)
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 95 mg/mL (200.69 mM; Need ultrasonic)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>2.1125 mL</td> <td>10.5626 mL</td> <td>21.1251 mL</td> </tr> <tr> <td>5 mM</td> <td>0.4225 mL</td> <td>2.1125 mL</td> <td>4.2250 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2113 mL</td> <td>1.0563 mL</td> <td>2.1125 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	2.1125 mL	10.5626 mL	21.1251 mL	5 mM	0.4225 mL	2.1125 mL	4.2250 mL	10 mM	0.2113 mL	1.0563 mL	2.1125 mL
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	Please refer to the solubility information to select the appropriate solvent.																					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 3.17 mg/mL (6.70 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 3.17 mg/mL (6.70 mM); Clear solution Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 3 mg/mL (6.34 mM); Clear solution 																					

BIOLOGICAL ACTIVITY

Description	T-3764518 is a novel and potent stearoyl coenzyme A desaturase (SCD) inhibitor with an IC ₅₀ of 4.7 nM.
IC₅₀ & Target	IC ₅₀ : 4.7 nM (SCD) ^[1]

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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