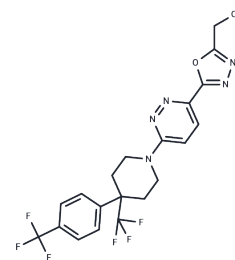


T-3764518

## Chemical Properties

CAS No. : 1809151-56-1  
 Formula: C<sub>20</sub>H<sub>17</sub>F<sub>6</sub>N<sub>5</sub>O<sub>2</sub>  
 Molecular Weight: 473.37  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

|                            |   |
|----------------------------|---|
| Description                | T-3764518 is a novel and potent inhibitor of stearoyl coenzyme A desaturase (SCD) with an IC <sub>50</sub> of 4.7 nM. |
| Targets(IC <sub>50</sub> ) | Dehydrogenase, Stearoyl-CoA Desaturase (SCD)  |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.1125 mL | 10.5626 mL | 21.1251 mL |
| 5 mM  | 0.4225 mL | 2.1125 mL  | 4.225 mL   |
| 10 mM | 0.2113 mL | 1.0563 mL  | 2.1125 mL  |
| 50 mM | 0.0423 mL | 0.2113 mL  | 0.4225 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Imamura K, et al. Discovery of Novel and Potent Stearoyl Coenzyme A Desaturase 1 (SCD1) Inhibitors as Anticancer Agents. *Bioorg Med Chem.* 2017 Jul 15;25(14):3768-3779.

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