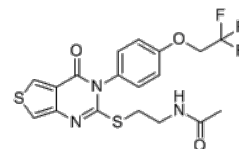


**Product Name** : T-3364366  
**Cat. No.** : PC-61037  
**CAS No.** : 1356354-09-0  
**Molecular Formula** : C<sub>18</sub>H<sub>16</sub>F<sub>3</sub>N<sub>3</sub>O<sub>3</sub>S<sub>2</sub>  
**Molecular Weight** : 443.459  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

T-3364366 is a potent, selective and orally available inhibitor of delta-5 desaturase (**D5D**) with  $K_i$  of <2.7 nM and  $IC_{50}$  of 19 nM, with excellent selectivity over D6D and SCD.

T-3364366 potently inhibits arachidonic acid (AA) production in liver cell lines derived from human (HepG2) and rat (RLN-10) with  $IC_{50}$  of 1.9 and 2.1 nM, respectively.

T-3364366 exhibits a reversible, slow-binding interaction to the desaturase domain of D5D.

## References

Miyahisa I, et al. *ACS Med Chem Lett.* 2016 Aug 10;7(9):868-72.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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