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**Product Data Sheet**


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Product Name: DGAT1-IN-1

Cat. No.: GC35851

**Chemical Properties**

Cas. No. 1449779-49-0

SMILES OC(C[C@H]1CC[C@H](C2=CC=C(C3=CN4C=C(C(NCC5=CC=C(OC(F)(F)F)C=C5)=O)N=C4C=C3)C=C2)CC1)=O

Formula C<sub>30</sub>H<sub>28</sub>F<sub>3</sub>N<sub>3</sub>O<sub>4</sub>

M.Wt 551.56

Solubility DMSO: 20 mg/mL (36.26 mM); Water: &lt; 0.1 mg/mL (insoluble)

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

DGAT1-IN-1 is a potent DGAT1 inhibitor with IC<sub>50</sub> of < 10 nM (cell lysate from Hep3B cells overexpressing human DGAT1). IC<sub>50</sub> value: < 10 nM Target: DGAT1 inhibitor Imidazopyridine and imidazothiazole compounds as inhibitors of diacylglycerol o-acyltransferase type 1 enzyme and their preparation By Kim, Dooseop; Bok, Juhan; Shin, Sunmi From PCT Int. Appl. (2013), WO 2013119040 A1 20130815.

[1]. Compounds as inhibitors of diacylglycerol o-acyltransferase type 1 enzyme , Patent: WO 2013119040 A1

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

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