

Product Data Sheet

Product Name: ST247
Cat. No.: GC70423

Chemical Properties

Cas. No. 1356497-91-0

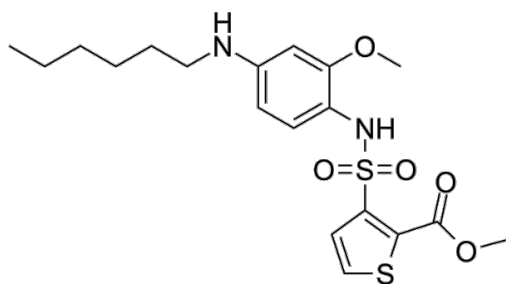
Formula $C_{19}H_{26}N_2O_5S_2$ M.Wt 426.55

Solubility DMSO : 200 mg/mL (468.88 mM); Storage -20°C
Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

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

ST247 a potent PPAR β/δ inverse agonist. ST247 has a higher affinity to PPAR β/δ . ST247 modulates expression of the activation marker CCL2 in the opposite direction. ST247 efficiently induces the interaction with corepressors. ST247 inhibits the agonist-induced transcriptional activity of PPAR β/δ .

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

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ST247 induces a clearly enhanced interaction of the PPAR β/δ LBD with the SMRT-ID2 peptide, with an EC₅₀ of 10 nM^[1].

ST247 down-regulates basal level expression of the peroxisome proliferator responsive element-driven PPAR β/δ target gene ANGPTL4, with an IC₅₀ of 19.1 nM^[1].

References:

[1]. Naruhn S, et al. High-affinity peroxisome proliferator-activated receptor β/δ -specific ligands with pure antagonistic or inverse agonistic properties. Mol Pharmacol. 2011 Nov;80(5):828-38.

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