

Product Data Sheet

Product Name: TAK-615

Cat. No.: GC61313

Chemical Properties

Cas. No. 1664335-55-0

SMILES O=C(O)C1=CC=C(CN(CC2CC2)C(C3=CC=C(OC4=CC=CC=C4F)C=C3)=O)C=C1

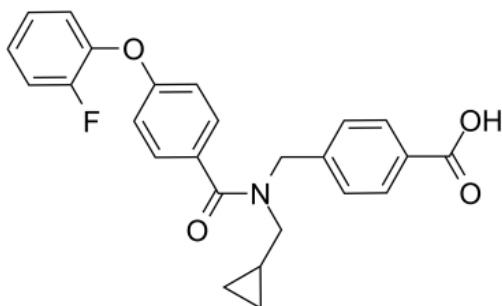
Formula $C_{25}H_{22}FNO_4$ M.Wt 419.44

Solubility DMSO: 125 mg/mL (298.02 mM) 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

TAK-615 is a negative allosteric modulator (NAM) of the LPA1 receptor for the research of pulmonary fibrosis. TAK-615 binds the LPA1 receptor with high affinity (K_d high affinity of 1.7 nM and K_d low affinity of 14.5 nM)[1].

TAK-615 partially inhibits the LPA response (60% at 10 μ M, IC_{50} of 91 ± 30 nM)[1].

[1]. Jonathan Ellery, et al. Identification of Compounds Acting as Negative Allosteric Modulators of

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

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the LPA 1 Receptor. Eur J Pharmacol. 2018 Aug 15;833:8-15.

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