

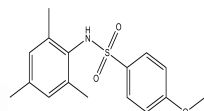
PRODUCT: GSK137647A

ALTERNATE NAME: 4-Methoxy-*N*-(2,4,6-trimethylphenyl)benzenesulfonamide

CATALOG #: B1112-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₆H₁₉NO₃S

MOLECULAR WEIGHT: 305.39

CAS NUMBER: 349085-82-1

APPEARANCE: White solid

SOLUBILITY: DMSO (>30 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C. Protect from air and light.

DESCRIPTION: GSK137647A is a selective agonist of FFA4 (GPR120) (pEC₅₀s = 6.3, 6.2, and 6.1 at human, mouse, and rat receptors, respectively). It is selective for GPR120 over a panel of 61 other targets, including other FFARs. Like the natural GPR120 ligand linoleic acid, GSK137647A dose-dependently stimulates insulin secretion by mouse insulinoma MIN6 cells under high glucose conditions. It also modestly stimulates the production of glucagon-like peptide-1 in taste bud cells and human intestinal NCI-H716 cells.

REFERENCES: Sparks, S.M., *et al.* (2014). *Bioorg. Med. Chem. Lett.* **24**, 3100-3103.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Chemerin, human recombinant (**Cat. No. 4002**)

GPR15 Antibody (**Cat. No. 5215**)

LRG15 Antibody (**Cat. No. A1007**)

USAGE: *FOR RESEARCH CH USE ONLY! Not to be used in humans*