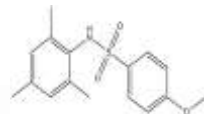


PRODUCT: GSK137647A**ALTERNATE NAME:** 4-Methoxy-*N*-(2,4,6-trimethylphenyl)benzenesulfonamide**CATALOG #:** B1112-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₆H₁₉NO₃S**MOLECULAR WEIGHT:** 305.39**CAS NUMBER:** 349085-82-1**APPEARANCE:** White solid**SOLUBILITY:** DMSO (>30 mg/ml)**PURITY:** ≥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*