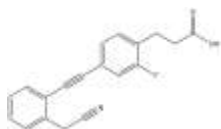


PRODUCT: TUG-770**RELATED PRODUCTS:**GSK137647A (**B1112**)GW9508 (**2817**)**ALTERNATE NAME:** 3-[4-[2-[2-(cyanomethyl)phenyl]ethynyl]-2-fluorophenyl]propanoic acid**CATALOG #:** B1166-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₉H₁₄FNO₂**MOLECULAR WEIGHT:** 307.32**CAS NUMBER:** 1402601-82-4**APPEARANCE:** Light yellow powder**SOLUBILITY:** DMSO (>3 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.**DESCRIPTION:** TUG-770 is a highly potent free fatty acid receptor 1 (FFA1/GPR40) agonist with EC₅₀ of 6 nM for hFFA1. The FFA1 increases glucose stimulated insulin secretion from pancreatic β-cells and efficiently maintains normal glucose level in diet induced obese mice with fully sustained effect after 29 days of chronic dosing.**REFERENCES:** Chistiansen, E., *et.al.* (2013). *ACS Med. Chem. Lett.* **4**, 441–445**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**