

MSDC-0602K biochemical

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CATALOG #
AAA227586

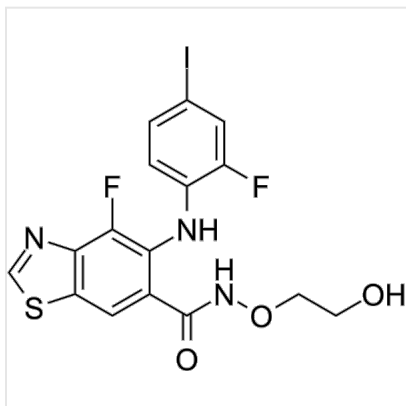
PRODUCT SYNONYMS

MSDC-0602K; MSDC-0602K biochemical

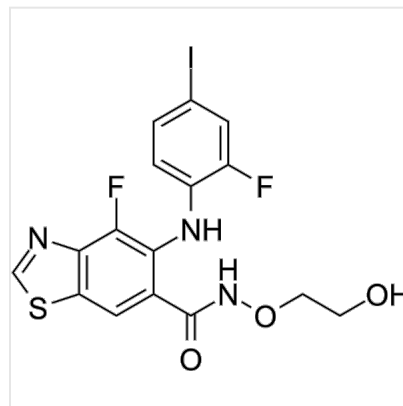
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	1314533-27-1
Targets&IC50	PPAR-gamma:18.25 uM (IC50)
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Diabetic db/db and MS-NASH mice are treated with MSDC-0602K by oral gavage, Liraglutide by s.c. injection, or combination MSDC-0602K + Liraglutide. This combination treatment may be an effective therapeutic strategy for diabetes and non-alcoholic steatohepatitis (NASH). Animal Model: Five-week-old male db/db mice on C57BL/6J background and age/sex-matched db/+ control mice[1]. Dosage: 30 mg/kg MSDC-0602K; 0.2 mg/kg Liraglutide (obtained from MedChemExpress; HY-P0014). Administration: MSDC-0602K gavage daily, Liraglutide s.c. injection every other day, or combined MSDC-0602K+ Liraglutide. Result: MSDC-0602K corrected glycemia and reduced insulinemia when given alone, or in combination with Liraglutide. However, MSDC-0602K + Liraglutide combination more significantly improved glucose tolerance and liver histology.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Tunlametinib, CAS 1801756-06-8



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Tunlametinib, CAS 1801756-06-8

ADDITIONAL INFORMATION

Related Product Information for MSDC-0602K biochemical	MSDC-0602K (Azemiglitazone potassium), a PPARGgamma -sparing thiazolidinedione (Ps-TZD), binds to PPARGgamma with the IC 50 of 18.25 uM. MSDC-0602K modulates the mitochondrial pyruvate carrier (MPC). MSDC-0602K can be used for the research of fatty liver including dysfunctional lipid metabolism, inflammation, and insulin resistance. MSDC-0602K, an insulin sensitizer, improves insulinemia and fatty liver disease in mice, alone and in combination with Liraglutide.
References	1. International Nonproprietary Names for Pharmaceutical Substances (INN)

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/msdc-0602k/227586>