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## Product Data Sheet

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Product Name: GPR120 Agonist 1

Cat. No.: GC36183

### Chemical Properties

Cas. No. 1628448-77-0

SMILES C1C=CC(F)=C(C2=NSC(C(F)(F)F)=C2COC3=C(F)C=C(CCC(O)=O)C=C3F)C=C1

Formula  $C_{20}H_{12}ClF_6NO_3S$  M.Wt 495.82

Solubility Soluble in DMSO 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

GPR120 Agonist 1 is a potent and selective GPR120 agonist, and possesses promising antidiabetic effect and good safety profile to be a development candidate[1]. GPR120[1]

GPR120 Agonist 1 is a potent and selective GPR120 agonist. In GPR120 transfected HEK293 cells, GPR120 Agonist 1 displays good EC50 of 42 nM and 77 nM for human GPR120 and mouse GPR120 (the calcium flux assay), respectively[1].

[1]. Zhang X, et al. Discovery of an Isothiazole-Based Phenylpropanoic Acid GPR120 Agonist as a Development Candidate for Type 2 Diabetes. ACS Med Chem Lett. 2017 Jul 27;8(9):947-952.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA