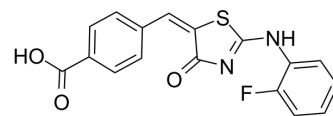


GPR35 agonist 2

| | |
|---------------------------|--|
| Cat. No.: | HY-15705 |
| CAS No.: | 494191-73-0 |
| Molecular Formula: | C ₁₇ H ₁₁ FN ₂ O ₃ S |
| Molecular Weight: | 342.34 |
| Target: | GPR35; Arrestin |
| Pathway: | GPCR/G Protein |
| Storage: | 4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (73.03 mM; Need ultrasonic)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 2.9211 mL | 14.6054 mL | 29.2107 mL |
| | 5 mM | 0.5842 mL | 2.9211 mL | 5.8421 mL |
| | 10 mM | 0.2921 mL | 1.4605 mL | 2.9211 mL |

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

GPR35 agonist 2 (compound 11) is a potent agonist of GPR35, with EC₅₀s of 26 and 3.2 nM in the β-arrestin and Ca²⁺ release assay, respectively^[1].

IC₅₀ & Target

EC₅₀: 26 nM (human GPR35 in β-arrestin), 3.2 nM (human GPR35 in Ca²⁺ release assay)^[1]

REFERENCES

[1]. Thimm D, et, al. 6-Bromo-8-(4-[(3H)methoxybenzamido]-4-oxo-4H-chromene-2-carboxylic Acid: a powerful tool for studying orphan G protein-coupled receptor GPR35. J Med Chem. 2013 Sep 12; 56(17): 7084-99.

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

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