

Product data sheet



MedKoo Cat#: 555923 Name: QQN52061 CAS: 907952-06-1 Chemical Formula: C ₃₁ H ₂₆ ClNO ₄ Exact Mass: 511.1550 Molecular Weight: 512.002	
Product supplied as: Powder	
Purity (by HPLC): ≥ 98%	
Shipping conditions: Ambient temperature	
Storage conditions: Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.	

1. Product description:

QQN52061 is GPR34 receptor modulator, which can control function of GPR34 receptor (as antagonist or inverse agonist).

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMSO	50	97.66

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.0 mL	9.77 mL	19.53 mL
5 mM	0.39 mL	1.95 mL	3.91 mL
10 mM	0.20 mL	0.98 mL	1.95 mL
50 mM	0.04 mL	0.2 mL	0.39 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

Preparation of N-acyl-amino acid derivatives for controlling function of GPR34 receptor as antagonists or inverse agonists Quick View Other Sources By Ito, Fumio; Kimura, Eiji; Imai, Tomomi; Mori, Masaaki; Aramaki, Yoshio; Kohara, Yasuhisa; Sugo, Tsukasa; Hayase, Yoji; Kobayashi, Hiromi; Ogi, Kazuhiro From PCT Int. Appl. (2006), WO 2006088246 A1 20060824. | Language: Japanese, Database: CAPLUS

In vivo study

TBD

7. Bioactivity

Biological target:

GPR34 receptor antagonist 2 (Compound D2) is a GPR34 receptor antagonist, which can be used for the study to immune diseases, inflammatory diseases, allergic diseases, respiratory diseases, urological diseases, cardiovascular diseases.

In vitro activity

Endogenous ligands of GPR34, a G protein-coupled receptor, act on histamine-releasing activity on antigen- or concanavalin A-stimulated rat mast cells and synergize with nerve growth factor on rat mast cells. It is a lipid such as lysophosphatidylserine having the activity of releasing histamine. GPR34 antagonists can be used, for example, for histamine release inhibitors, immune diseases, edema, hyperacidity, etc.

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Reference: Preparation of N-acyl-amino acid derivatives for controlling function of GPR34 receptor as antagonists or inverse agonists.
<https://patents.google.com/patent/WO2006088246A1/>

In vivo activity

TBD

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.