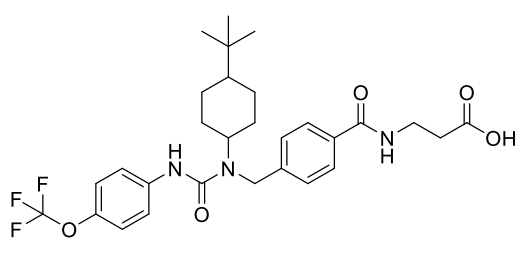


Product data sheet



| | | |
|--|---|--|
| MedKoo Cat#: 530399 Name: GRA Ex-25 CAS: 307983-31-9 Chemical Formula: C ₂₉ H ₃₆ F ₃ N ₃ O ₅ Exact Mass: 563.2607 Molecular Weight: 563.6182 | |  |
| 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:

GRA Ex-25 is an inhibitor of glucagon receptor. Inhibiting the interaction between glucagon and its receptor has been reported to control hepatic glucose overproduction and thus GCGR has evolved as an attractive therapeutic target for the treatment of type II diabetes mellitus.

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 |
|----------------------------|-----------------|--------------|
| DMF | 25.0 | 44.36 |
| DMSO | 28.5 | 50.57 |
| DMSO:PBS (pH 7.2) (1:8) | 0.1 | 0.18 |
| Ethanol | 10.0 | 17.74 |

4. Stock solution preparation table:

| Concentration / Solvent Volume / Mass | 1 mg | 5 mg | 10 mg |
|---------------------------------------|---------|---------|----------|
| 1 mM | 1.77 mL | 8.87 mL | 17.74 mL |
| 5 mM | 0.35 mL | 1.77 mL | 3.55 mL |
| 10 mM | 0.18 mL | 0.89 mL | 1.77 mL |
| 50 mM | 0.04 mL | 0.18 mL | 0.35 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

TBD

In vivo study

TBD

7. Bioactivity

Biological target:

GRA Ex-25 is an inhibitor of glucagon receptor, with IC₅₀ of 56 and 55 nM for rat and human glucagon receptors, respectively.

In vitro activity

TBD

Product data sheet



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.