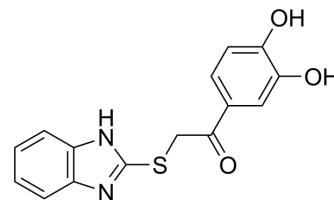


NNC 92-1687

| | |
|--------------------|---|
| Cat. No.: | HY-116854 |
| CAS No.: | 22903-37-3 |
| Molecular Formula: | C ₁₅ H ₁₂ N ₂ O ₃ S |
| Molecular Weight: | 300.33 |
| Target: | GCGR |
| Pathway: | GPCR/G Protein |
| Storage: | Store at room temperature 3 years In solvent -80°C 2 years -20°C 1 year |



SOLVENT & SOLUBILITY

| | | | | | | |
|---|---|--------------------------|-----------|-----------|------------|------------|
| In Vitro | DMSO : 100 mg/mL (332.97 mM; ultrasonic and warming and heat to 60°C) | | | | | |
| | Preparing Stock Solutions | Solvent Concentration | Mass | | | |
| | | | 1 mg | 5 mg | 10 mg | |
| | | | 1 mM | 3.3297 mL | 16.6484 mL | 33.2967 mL |
| | | | 5 mM | 0.6659 mL | 3.3297 mL | 6.6593 mL |
| 10 mM | 0.3330 mL | 1.6648 mL | 3.3297 mL | | | |
| Please refer to the solubility information to select the appropriate solvent. | | | | | | |
| In Vivo | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 5 mg/mL (16.65 mM); Clear solution | | | | | |

BIOLOGICAL ACTIVITY

| | |
|-------------|--|
| Description | NNC 92-1687 is a non-peptide competitive human glucagon receptor antagonist (IC ₅₀ =20 μM; K _i =9.1 μM). NNC 92-1687 can be used in the research of type 2 diabetes ^[1] . |
|-------------|--|

REFERENCES

[1]. Madsen P, et al. Discovery and structure– activity relationship of the first non-peptide competitive human glucagon receptor antagonists[J]. Journal of medicinal chemistry, 1998, 41(26): 5150-5157.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA