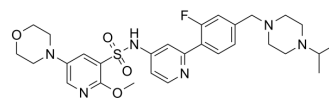


GSK251

| | | | |
|--------------------|--|-------|----------|
| Cat. No.: | HY-132880 | | |
| CAS No.: | 2125968-05-8 | | |
| Molecular Formula: | C ₂₉ H ₃₇ FN ₆ O ₄ S | | |
| Molecular Weight: | 584.71 | | |
| Target: | PI3K | | |
| Pathway: | PI3K/Akt/mTOR | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 62.5 mg/mL (106.89 mM; ultrasonic and warming and heat to 60°C)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|-----------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 1.7102 mL | 8.5512 mL | 17.1025 mL |
| | 5 mM | 0.3420 mL | 1.7102 mL | 3.4205 mL |
| | 10 mM | 0.1710 mL | 0.8551 mL | 1.7102 mL |

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (3.56 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (3.56 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (3.56 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

GSK251 is a highly potent, highly selective, orally bioavailable inhibitor of PI3Kδ with a novel binding mode.

REFERENCES

[1]. Down K, et al. Discovery of GSK251: A Highly Potent, Highly Selective, Orally Bioavailable Inhibitor of PI3Kδ with a Novel Binding Mode. J Med Chem. 2021 Sep

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

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