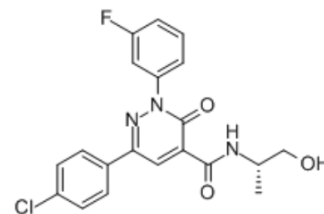


AHR antagonist 1

| | | | |
|--------------------|--|-------|----------|
| Cat. No.: | HY-111449 | | |
| CAS No.: | 2162982-11-6 | | |
| Molecular Formula: | C ₂₀ H ₁₇ ClFN ₃ O ₃ | | |
| Molecular Weight: | 401.82 | | |
| Target: | Aryl Hydrocarbon Receptor | | |
| Pathway: | Immunology/Inflammation | | |
| 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 : ≥ 250 mg/mL (622.17 mM)
 * "≥" means soluble, but saturation unknown.

| Preparing Stock Solutions | Solvent Concentration | Mass | | |
|---------------------------|-----------------------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| | 1 mM | 2.4887 mL | 12.4434 mL | 24.8868 mL |
| | 5 mM | 0.4977 mL | 2.4887 mL | 4.9774 mL |
| | 10 mM | 0.2489 mL | 1.2443 mL | 2.4887 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 (5.18 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.08 mg/mL (5.18 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

AHR antagonist 1 is an aryl hydrocarbon receptor (AHR) antagonist extracted from patent WO2017202816A1, example 23, has an IC₅₀ of 39.9 nM in human cell line^[1].

IC₅₀ & Target

IC₅₀: 39.9 nM (AHR in human cell line)^[1]

REFERENCES

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

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