CB2R/FAAH modulator-3

| Cat. No.: | HY-152254 | | | | |
|--------------------|---|-------|----------|--|--|
| CAS No.: | 2876918-67-9 | | | | |
| Molecular Formula: | C ₂₂ H ₃₁ NO ₂ | | | | |
| Molecular Weight: | 341.49 | | | | |
| Target: | FAAH; Cannabinoid Receptor | | | | |
| Pathway: | Metabolic Enzyme/Protease; Neuronal Signaling; GPCR/G Protein | | | | |
| Storage: | Powder | -20°C | 3 years | | |
| | In solvent | -80°C | 6 months | | |
| | | -20°C | 1 month | | |

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Product Data Sheet

SOLVENT & SOLUBILITY

| In Vitro | DMSO : 50 mg/mL (146.42 mM; Need ultrasonic) | | | | | | | |
|------------------------------|---|---|-----------|------------|------------|--|--|--|
| Preparing Stock Solutions | | Solvent Mass Concentration | 1 mg | 5 mg | 10 mg | | | |
| | Preparing Stock Solutions | 1 mM | 2.9283 mL | 14.6417 mL | 29.2834 mL | | | |
| | 5 mM | 0.5857 mL | 2.9283 mL | 5.8567 mL | | | | |
| | 10 mM | 0.2928 mL | 1.4642 mL | 2.9283 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: 2.5 mg/mL (7.32 mM); Suspended solution; Need ultrasonic | | | | | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.32 mM); Clear solution | | | | | | | |
| | Add each solvent of Solubility: ≥ 2.5 m | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.32 mM); Clear solution | | | | | | |



| In Vitro | |
|----------|--|
|----------|--|

CB2R/FAAH modulator-3 (compound 27)(10 μ M) reduces the production of the pro-inflammatory cytokines TNF α , IFN- γ , IL-1 β and IL6 in unstimulated monocytes and macrophages^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Francesca Intranuovo, et al. Development of N-(1-Adamantyl)benzamides as Novel Anti-Inflammatory Multitarget Agents Acting as Dual Modulators of the Cannabinoid CB2 Receptor and Fatty Acid Amide Hydrolase. J Med Chem. 2023 Jan 12;66(1):235-250.

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

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