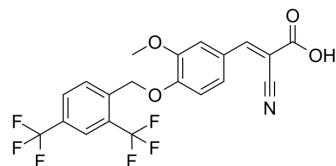


PROTAC ERR α ligand 2

| | | | |
|--------------------|--|-------|---------|
| Cat. No.: | HY-126351 | | |
| CAS No.: | 2306388-57-6 | | |
| Molecular Formula: | C ₂₀ H ₁₃ F ₆ NO ₄ | | |
| Molecular Weight: | 445.31 | | |
| Target: | Estrogen Receptor/ERR | | |
| Pathway: | Vitamin D Related/Nuclear Receptor | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 2 years |
| | | -20°C | 1 year |



SOLVENT & SOLUBILITY

| | | | | | | |
|---|---|--------------------------|------|-----------|------------|------------|
| In Vitro | DMSO : 62.5 mg/mL (140.35 mM; Need ultrasonic) | | | | | |
| | | Solvent Concentration | Mass | 1 mg | 5 mg | 10 mg |
| | Preparing Stock Solutions | 1 mM | | 2.2456 mL | 11.2281 mL | 22.4563 mL |
| | | 5 mM | | 0.4491 mL | 2.2456 mL | 4.4913 mL |
| | | 10 mM | | 0.2246 mL | 1.1228 mL | 2.2456 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: ≥ 2.08 mg/mL (4.67 mM); Clear solution | | | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.67 mM); Clear solution | | | | | |

BIOLOGICAL ACTIVITY

| | |
|-------------|---|
| Description | PROTAC ERR α ligand 2 is an estrogen-related receptor α (ERR α) inverse agonist with an IC ₅₀ of 5.67 nM. PROTAC ERR α ligand 2 (IC ₅₀ =5.67 nM) displays a ~11-fold improved potency than XCT790 (IC ₅₀ =61.3 nM) ^[1] . |
|-------------|---|

REFERENCES

[1]. Peng L, et al. Identification of New Small-Molecule Inducers of Estrogen-related Receptor α (ERR α) Degradation. ACS Med Chem Lett. 2019 Apr 12;10(5):767-772.

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