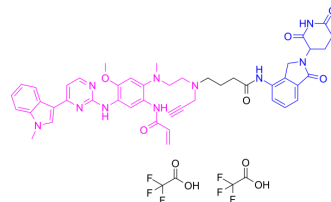


PROTAC EGFR degrader 7 diTFA

| | |
|--------------------|--|
| Cat. No.: | HY-147858A |
| Molecular Formula: | C ₅₀ H ₅₀ F ₆ N ₁₀ O ₁₀ |
| Molecular Weight: | 1064.98 |
| Target: | PROTACs |
| Pathway: | PROTAC |
| Storage: | -20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light) |



SOLVENT & SOLUBILITY

| | | | | | | | |
|---|--|-----------------------|------|-----------|-----------|-----------|-----------|
| In Vitro | DMSO : 100 mg/mL (93.90 mM; Need ultrasonic) | | | | | | |
| | Preparing Stock Solutions | Solvent Concentration | Mass | 1 mg | 5 mg | 10 mg | |
| | | | | 1 mM | 0.9390 mL | 4.6949 mL | 9.3898 mL |
| | | | | 5 mM | 0.1878 mL | 0.9390 mL | 1.8780 mL |
| 10 mM | | | | 0.0939 mL | 0.4695 mL | 0.9390 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 (2.35 mM); Clear solution | | | | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (2.35 mM); Clear solution | | | | | | |

BIOLOGICAL ACTIVITY

| | |
|-------------|--|
| Description | PROTAC EGFR degrader 7 (compound 13b) is a potent and selective CRBN-recruiting PROTAC EGFR858R/T790M degrader, with a DC ₅₀ of 13 ^[1] .2 nM. PROTAC EGFR degrader 7 inhibits NCI-H1975 cells proliferation, with an IC ₅₀ of 46 ^[1] .82 nM. PROTAC EGFR degrader 7 significantly induces apoptosis and G2/M phase arrest in NCI-H1975 cell. PROTAC EGFR degrader 7 shows antitumor activity, and can be used for non-small cell lung cancer (NSCLC) research ^[1] . |
|-------------|--|

REFERENCES

[1]. Zhang W, et al. Discovery of highly potent and selective CRBN-recruiting EGFR858R/T790M degraders in vivo. Eur J Med Chem. 2022 Aug 5;238:114509.

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