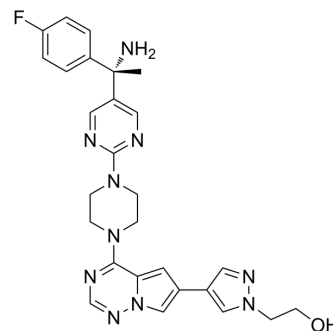


Elenestinib

| | | | |
|---------------------------|--|-------|----------|
| Cat. No.: | HY-152839 | | |
| CAS No.: | 2505078-08-8 | | |
| Molecular Formula: | C ₂₇ H ₂₉ FN ₁₀ O | | |
| Molecular Weight: | 528.58 | | |
| Target: | c-Kit | | |
| Pathway: | Protein Tyrosine Kinase/RTK | | |
| Storage: | Powder | -20°C | 3 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

| | | | | | | |
|---|--|----------------------|-------------|-------------|-------------|--------------|
| In Vitro | DMSO : 125 mg/mL (236.48 mM; Need ultrasonic) | | | | | |
| | Preparing Stock Solutions | Solvent | Mass | 1 mg | 5 mg | 10 mg |
| | | Concentration | | | | |
| | | 1 mM | | 1.8919 mL | 9.4593 mL | 18.9186 mL |
| | | 5 mM | | 0.3784 mL | 1.8919 mL | 3.7837 mL |
| | 10 mM | | 0.1892 mL | 0.9459 mL | 1.8919 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: ≥ 6.25 mg/mL (11.82 mM); Clear solution | | | | | |

BIOLOGICAL ACTIVITY

| | |
|-------------------------------------|--|
| Description | Elenestinib (BLU-263) is a potent and orally active tyrosine kinase inhibitor. Elenestinib has the potential for the research of systemic mastocytosis (SM). Elenestinib inhibits KIT D816V with an IC ₅₀ value of 0.2 nM ^{[1][2]} . |
| IC₅₀ & Target | IC ₅₀ : 0.2 nM (KIT D816V) ^[2] |

REFERENCES

- [1]. Mariana Castells, et al. A Phase 2/3 Study of BLU-263 in Patients with Indolent Systemic Mastocytosis or Monoclonal Mast Cell Activation Syndrome. Allergy and Clinical Immunology. 2022, 149 (2).
- [2]. Dave N, et al. Safety and pharmacokinetics of BLU-263, a next-generation KIT inhibitor, in healthy volunteers[C]//Cancer Res (AACR Annual Meeting Abstracts). 2021, 122.

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