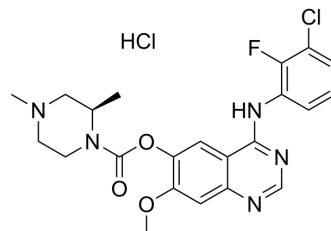


Zorifertinib hydrochloride

| | |
|--------------------|---|
| Cat. No.: | HY-18750A |
| CAS No.: | 1626387-81-2 |
| Molecular Formula: | C ₂₂ H ₂₄ Cl ₂ FN ₅ O ₃ |
| Molecular Weight: | 496.36 |
| Target: | EGFR; Apoptosis |
| Pathway: | JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Apoptosis |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

Zorifertinib (AZD3759) hydrochloride is a potent, orally active, central nervous system-penetrant, EGFR inhibitor (IC₅₀s: 0.3, 0.2, and 0.2 nM for EGFR^{wt}, EGFR^{L858R}, and EGFR^{exon 19Del}, respectively). Zorifertinib hydrochloride induces cancer cell apoptosis. Zorifertinib hydrochloride has antitumor activity, and can be used for NSCLC, HCC etc. research^{[1][2]}.

CUSTOMER VALIDATION

- RSC Adv. 2022, 12, 20991-21003.
- J Pharm Biomed Anal. 2022 Jan 29;211:114626.
- bioRxiv. 2023 Jun 9.
- Patent. US20220177473A1.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Zeng Q, et al. Discovery and Evaluation of Clinical Candidate AZD3759, a Potent, Oral Active, Central Nervous System-Penetrant, Epidermal Growth Factor Receptor Tyrosine Kinase Inhibitor. *J Med Chem.* 2015 Oct 22;58(20):8200-15.

[2]. Chao D, et al. AZD3759 induces apoptosis in hepatoma cells by activating a p53-SMAD4 positive feedback loop. *Biochem Biophys Res Commun.* 2019 Feb 5;509(2):535-540.

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