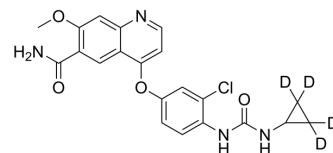


Lenvatinib-d₄

| | | | |
|--------------------|--|-------|----------|
| Cat. No.: | HY-10981S | | |
| CAS No.: | 2264050-65-7 | | |
| Molecular Formula: | C ₂₁ H ₁₅ D ₄ ClN ₄ O ₄ | | |
| Molecular Weight: | 430.88 | | |
| Target: | VEGFR; FGFR; PDGFR; c-Kit; RET | | |
| Pathway: | Protein Tyrosine Kinase/RTK | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



BIOLOGICAL ACTIVITY

| | |
|-------------|--|
| Description | Lenvatinib-d ₄ is the deuterium labeled Lenvatinib. Lenvatinib (E7080) is an oral, multi-targeted tyrosine kinase inhibitor that inhibits VEGFR1-3, FGFR1-4, PDGFR, KIT, and RET, shows potent antitumor activities[1][2]. |
| In Vitro | Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

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- [4]. Matsui J, et al. E7080, a novel inhibitor that targets multiple kinases, has potent antitumor activities against stem cell factor producing human small cell lung cancer H146, based on angiogenesis inhibition. *Int J Cancer*. 2008, 122(3), 664-671.
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Caution: Product has not been fully validated for medical applications. For research use only.

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