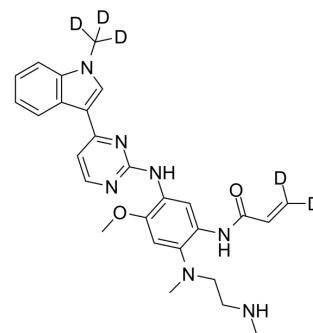


AZ7550-d5

Cat. No.:	HY-B0794S
CAS No.:	2719690-99-8
Molecular Formula:	C ₂₇ H ₂₆ D ₅ N ₇ O ₂
Molecular Weight:	490.61
Target:	EGFR; IGF-1R; Drug Metabolite
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AZ7550-d5 is the deuterium labeled AZ7550 (HY-B0794). AZ7550, an active metabolite of Osimertinib (AZD9291; HY-15772), inhibits the activity of IGF1R with an IC ₅₀ of 1.6 μM ^{[1][2]} .
In Vitro	AZ7550-d5 (compound M6) has the relative abundance of metabolites generated in human liver microsomes of 15.58% ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Yonggang Meng, et al. Discovery of Dosimertinib, a Highly Potent, Selective, and Orally Efficacious Deuterated EGFR Targeting Clinical Candidate for the Treatment of Non-Small-Cell Lung Cancer. *J Med Chem.* 2021 Jan 28;64(2):925-937.
- [2]. Finlay MR, et al. Discovery of a potent and selective EGFR inhibitor (AZD9291) of both sensitizing and T790M resistance mutations that spares the wild type form of the receptor. *J Med Chem.* 2014 Oct 23;57(20):8249-67.

Caution: Product has not been fully validated for medical applications. For research use only.

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