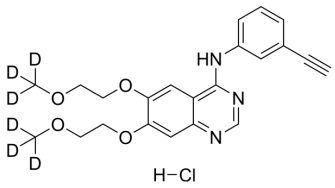
Erlotinib-d_6 hydrochloride

Cat. No.:	HY-12008S
CAS No.:	1189953-78-3
Molecular Formula:	$C_{22}H_{18}D_6ClN_3O_4$
Molecular Weight:	435.93
Target:	EGFR; Autophagy
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Autophagy
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



BIOLOGICAL ACTIVITY

Description

Erlotinib-d_6 (hydrochloride) a deuterium labeled Erlotinib Hydrochloride. Erlotinib Hydrochloride inhibits purified EGFR kinase with an IC50 of 2 nM[1]. Erlotinib-d6 (hydrochloride) is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.

REFERENCES

[1]. Moyer JD, et al. Induction of apoptosis and cell cycle arrest by CP-358,774, an inhibitor of epidermal growth factor receptor tyrosine kinase. Cancer Res. 1997 Nov 1;57(21):4838-48.

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