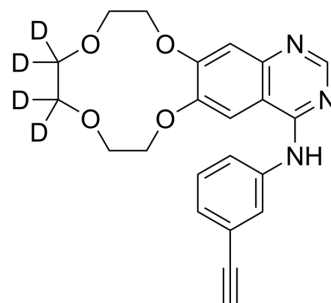


Icotinib-d₄

Cat. No.:	HY-15164AS
CAS No.:	1567366-82-8
Molecular Formula:	C ₂₂ H ₁₇ D ₄ N ₃ O ₄
Molecular Weight:	395.44
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Icotinib-d ₄ is the deuterium-labeled Icotinib (HY-15164A). Icotinib-d ₄ (BPI-2009) is a potent and specific EGFR inhibitor with an IC ₅₀ of 5 nM; also inhibits mutant EGFR ^{L858R} , EGFR ^{L858R/T790M} , EGFR ^{T790M} and EGFR ^{L861Q} . Icotinib-d ₄ is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
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.

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