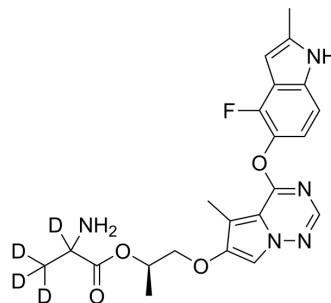


(R)-Brivanib alaninate-d₄

Cat. No.:	HY-W758126
Molecular Formula:	C ₂₂ H ₂₀ D ₄ FN ₅ O ₄
Molecular Weight:	445.48
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(R)-Brivanib alaninate-d ₄ is the deuterium-labeled Brivanib (alaninate) (HY-10336). Brivanib alaninate (BMS-582664) is an ATP-competitive inhibitor against VEGFR2 with an IC ₅₀ of 25 nM; has moderate potency against VEGFR-1 and FGFR-1, but more than 240-fold against PDGFRβ ^[1] .
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.

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