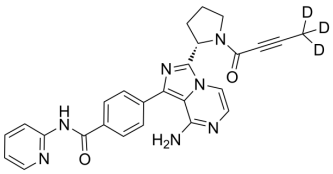
Acalabrutinib-d_3

Cat. No.:	HY-W757743
Molecular Formula:	$C_{26}H_{20}D_3N_7O_2$
Molecular Weight:	468.53
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Acalabrutinib-d_3 (ACP-196-d_3) is the deuterated form of Acalabrutinib (HY-17600). Acalabrutinib (ACP-196) is an orally active, irreversible, highly selective second-generation BTK inhibitor. Acalabrutinib covalently binds to Cys481 in the ATP-binding pocket of BTK. Acalabrutinib shows strong targeting and efficacy in mouse models of chronic lymphocytic leukemia (CLL).

REFERENCES

[1]. Wu J, et al. Acalabrutinib (ACP-196): a selective second-generation BTK inhibitor. J Hematol Oncol. 2016 Mar 9;9:21.

[2]. Herman SE, et al. The Bruton's tyrosine kinase (BTK) inhibitor acalabrutinib demonstrates potent on-target effects and efficacy in two mouse models of chronic lymphocytic leukemia. Clin Cancer Res. 2016 Nov 30.

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

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