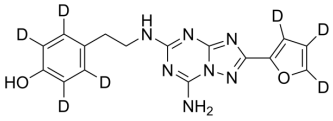
ZM241385-d$_7$

Cat. No.:	HY-19532S
Molecular Formula:	$C_{16}H_8D_7N_7O_2$
Molecular Weight:	344.38
Target:	Isotope-Labeled Compounds; Adenosine Receptor
Pathway:	Others; GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ZM241385-d7 is a deuterated form of ZM241385 (HY-19532). ZM241385 is a potent, high affinity and selective adenosine A_{2a} receptor ($A_{2A}R$) antagonist with a K_i value of 1.4 nM[1][2][3].
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.

REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019;53(2):211-216.

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