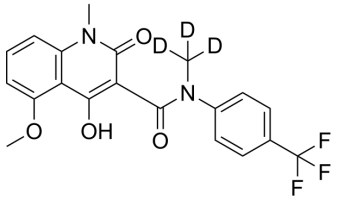
Tasquinimod-d_3

Cat. No.:	HY-10528S
CAS No.:	1416701-99-9
Molecular Formula:	$C_{20}H_{14}D_3F_3N_2O_4$
Molecular Weight:	409.37
Target:	HDAC; Isotope-Labeled Compounds
Pathway:	Cell Cycle/DNA Damage; Epigenetics; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Tasquinimod-d3 (ABR-215050-d3) is the deuterium labeled Tasquinimod (HY-10528). Tasquinimod is an oral antiangiogenic agent, which plays an important role in castration-resistant prostate cancer. Tasquinimod binds to the regulatory Zn^{2+} binding domain of HDAC4 with K_d of 10-30 nM. Tasquinimod also is a S100A9 inhibitor[1][2][3].

REFERENCES

[1]. Isaacs JT, et al. Tasquinimod Is an Allosteric Modulator of HDAC4 survival signaling within the compromised cancer microenvironment. Cancer Res. 2013 Feb 15;73(4):1386-99.

[2]. Olsson A, et al. Tasquinimod (ABR-215050), a quinoline-3-carboxamide anti-angiogenic agent, modulates the expression of thrombospondin-1 in human prostate tumors. Mol Cancer. 2010 May 17;9:107.

[3]. Isaacs JT, et al. Anti-cancer potency of tasquinimod is enhanced via albumin-binding facilitating increased uptake in the tumor microenvironment. Oncotarget. 2014 Sep 30;5(18):8093-106.

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