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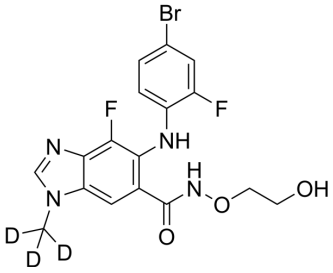
Binimetinib-d_3

Cat. No.:	HY-15202S1
CAS No.:	2890696-59-8
Molecular Formula:	$C_{17}H_{12}D_3BrF_2N_4O_3$
Molecular Weight:	444.25
Target:	Isotope-Labeled Compounds; MEK; Autophagy
Pathway:	Others; MAPK/ERK Pathway; Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Binimetinib-d_3 (MEK162-d_3) is deuterium labeled Binimetinib. Binimetinib (MEK162) is an oral and selective MEK1/2 inhibitor. Binimetinib (MEK162) inhibits MEK with an IC_{50} of 12 nM[1].

REFERENCES

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[3]. Kiessling MK, et al. Mutant HRAS as novel target for MEK and mTOR inhibitors. Oncotarget. 2015 Dec 8;6(39):42183-96.

[4]. Cheng H, et al. PIK3CA(H1047R)- and Her2-initiated mammary tumors escape PI3K dependency by compensatory activation of MEK-ERK signaling. Oncogene. 2016 Jun 9;35(23):2961-70.

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[6]. Seip K, et al. Fibroblast-induced switching to the mesenchymal-like phenotype and PI3K/mTOR signaling protects melanoma cells from BRAF inhibitors. Oncotarget. 2016 Apr 12;7(15):19997-20015.

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