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Data Sheet

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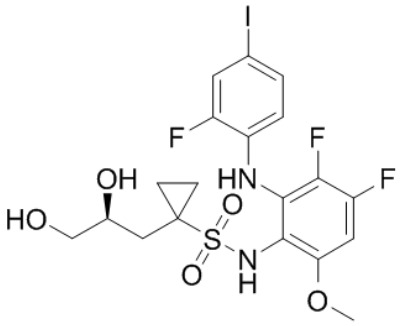
Product Name	:	Refametinib
Cat. No.	:	PC-44028
CAS No.	:	923032-37-5
Molecular Formula	:	$C_{19}H_{20}F_3IN_2O_5S$
Molecular Weight	:	572.3372
Target	:	MEK (MAP2K)
Solubility	:	DMSO: ≥ 31 mg/mL



Biological Activity

Refametinib (BAY 86-97661, RDEA-119) is a potent, non-ATP-competitive, highly selective, allosteric inhibitor of **MEK1/2** with IC50 of 19/47 nM respectively.
Refametinib inhibits anchorage-dependent growth of human cancer cell lines harboring the gain-of-function V600E BRAF mutant with GI50 of 67-89 nM.
Refametinib exhibits complete suppression of ERK phosphorylation at fully efficacious doses in mice and orally bioactive.

References

Iverson C, et al. ***Cancer Res.*** 2009 Sep 1;69(17):6839-47.

Chang Q, et al. ***BMC Cancer.*** 2010 Sep 28;10:515.

Schmieder R, et al. ***Neoplasia.*** 2013 Oct;15(10):1161-71.

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