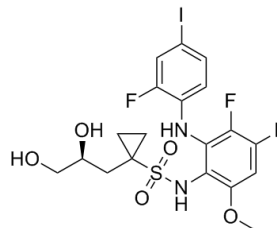


Product Name	: Refametinib
Synonyms	: BAY 869766;BAY 86-97661;RDEA-119;RDEA119
Cat No.	: M16609
CAS Number	: 923032-37-5
Molecular Formula	: C ₁₉ H ₂₀ F ₃ IN ₂ O ₅ S
Formula Weight	: 572.34
Chemical Name	: Cyclopropanesulfonamide, N-[3,4-difluoro-2-[(2-fluoro-4-iodophenyl)amino]-6-methoxyphenyl]-1-[(2S)-2,3-dihydroxypropyl]-
Description	: A potent, non-ATP-competitive, highly selective, allosteric inhibitor of MEK1/2 with IC ₅₀ of 19/47 nM respectively; inhibits anchorage-dependent growth of human cancer cell lines harboring the gain-of-function V600E BRAF mutant with GI ₅₀ of 67-89 nM; exhibits complete suppression of ERK phosphorylation at fully efficacious doses in mice and orally bioactive. Liver Cancer Phase 2 Clinical
Pathway	: MAPK/ERK Signaling
Target	: MEK
Receptor	: MEK1;MEK2
Solubility	: DMSO: ≥ 31 mg/mL
SMILES	: <chem>O=S(C1(C[C@H](O)CO)CC1)(NC2=C(OC)C=C(F)C(F)=C2NC3=CC=C(I)C=C3F)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Iverson C, et al. Cancer Res. 2009 Sep 1;69(17):6839-47. | 2. Chang Q, et al. BMC Cancer. 2010 Sep 28;10:515. | 3. Schmieder R, et al. Neoplasia. 2013 Oct;15(10):1161-71.