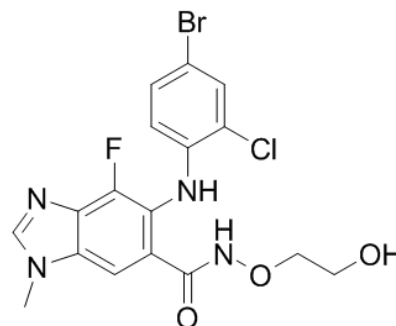


Product Name : Selumetinib
Cat. No. : PC-45849
CAS No. : 606143-52-6
Molecular Formula : C₁₇H₁₅BrClFN₄O₃
Molecular Weight : 457.6814
Target : MEK (MAP2K)
Solubility : DMSO: ≥ 34 mg/mL



Biological Activity

Selumetinib (ARRY-142886, AZD-6244) highly potent and selective, ATP-uncompetitive inhibitor of **MEK1/2** with IC₅₀/K_i of 14.1 nM/22.6 nM for MEK1.

Selumetinib (ARRY-142886, AZD-6244) shows no activity against other 40 serine/threonine and tyrosine kinases.

Selumetinib (ARRY-142886, AZD-6244) inhibits cellular ERK1/2 phosphorylation (IC₅₀<40 nM), suppresses growth inhibition of several cell lines containing B-Raf and Ras mutations (IC₅₀=59-473 nM).

Selumetinib (ARRY-142886, AZD-6244) causes growth of HT-29 xenograft tumors in nude mice.

References

Huynh H, et al. *Mol Cancer Ther.* 2007 Jan;6(1):138-46.

Yeh TC, et al. *Clin Cancer Res.* 2007 Mar 1;13(5):1576-83.

Davies BR, et al. *Mol Cancer Ther.* 2007 Aug;6(8):2209-19.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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