

Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists.

 Product Name
 :
 SCH-772984

 Cat. No.
 :
 PC-45868

 CAS No.
 :
 942183-80-4

 Molecular Formula
 :
 C₃₃H₃₃N₉O₂

 Molecular Weight
 :
 587.6742

Target : ERK

Solubility : DMSO: ≥ 51 mg/mL

Biological Activity

A novel potent and selective inhibitor of ERK1/ERK2 with IC50 of 4 nM/1 nM, respectively; is highly selective, with only seven kinases of 300 showing >50% inhibition at 1 uM; prevents MEK-mediated ERK phosphorylation, reduces pCRAF S289/S296/S301 phosphorylation; has nanomolar cellular potency in tumor cells with mutations in BRAF, NRAS, or KRAS and induces tumor regressions in xenograft models.

Colon Cancer

Phase 1 Clinical

References

Morris EJ, et al. Cancer Discov. 2013 Jul;3(7):742-50.

Wong DJ, et al. Mol Cancer. 2014 Aug 20;13:194.

Chaikuad A, et al. Nat Chem Biol. 2014 Oct;10(10):853-60.

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

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