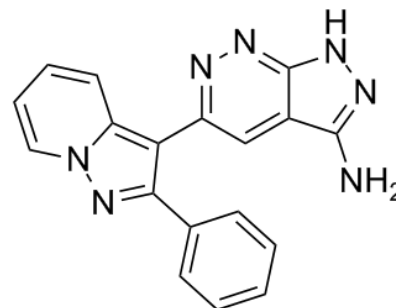


Product Name : FR 180204
Cat. No. : PC-42937
CAS No. : 865362-74-9
Molecular Formula : C₁₈H₁₃N₇
Molecular Weight : 327.3427
Target : ERK
Solubility : DMSO: ≥ 50 mg/mL



Biological Activity

FR 180204 is a potent, selective, ATP-competitive **ERK** inhibitor with K_i of 0.31 and 0.14 μM for ERK1 and ERK2, respectively. FR 180204 inhibits TGFβ-induced luciferase-expression in mink lung epithelial Mv1Lu cells. FR 180204 decreases plasma anti-CII antibody levels and attenuates delayed-type hypersensitivity in CII-immunized DBA/1 mice, also inhibits in vitro CII-induced proliferation of lymph node cells prepared from CII-immunized mice. FR 180204 enhances apoptotic and anti-proliferative effects of Akt inhibitor API-1 in human DLD-1 and LoVo colorectal cancer cells.

References

- Ohuri M, et al. *Biochem Biophys Res Commun*. 2005 Oct 14;336(1):357-63.
Ohuri M, et al. *Naunyn Schmiedebergs Arch Pharmacol*.
Chen-Roetling J, et al. *Neuropharmacology*. 2009 Apr;56(5):922-8.
Saglam AS, et al. *Oncol Lett*. 2016 Oct;12(4):2463-2474.

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

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