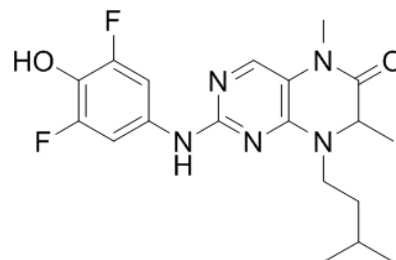


Product Name : BI-D1870
Cat. No. : PC-42627
CAS No. : 501437-28-1
Molecular Formula : C₁₉H₂₃F₂N₅O₂
Molecular Weight : 391.415
Target : Ribosomal S6 Kinase (RSK)
Solubility : 10 mM in DMSO



Biological Activity

BI-D1870 is a potent, specific ATP-competitive inhibitor of **RSK** isoforms with IC₅₀ of 10-30 nM for RSK1/2/3/4.

BI-D1870 shows weak inhibition on PLK1 (IC₅₀=100 nM) and no activity against MSK1.

BI-D1870 prevents the RSK-mediated phorbol ester- and EGF-induced phosphorylation of GSK-3β and LKB1 in human embryonic kidney 293 cells and Rat-2 cells.

References

Sapkota GP, et al. *Biochem J.* 2007 Jan 1;401(1):29-38.

Neise D, et al. *Cell Death Dis.* 2013 Oct 17;4:e859.

Fonseca BD, et al. *J Biol Chem.* 2011 Aug 5;286(31):27111-22.

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

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