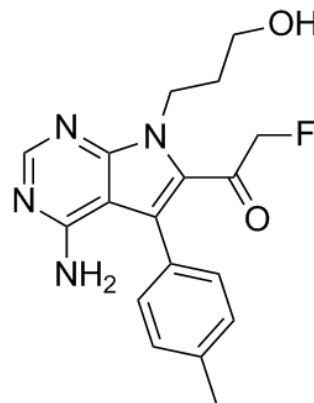


Product Name : FMK
Cat. No. : PC-45920
CAS No. : 821794-92-7
Molecular Formula : C₁₈H₁₉FN₄O₂
Molecular Weight : 342.3675
Target : Ribosomal S6 Kinase (RSK)
Solubility : 10 mM in DMSO



Biological Activity

FMK is an irreversible inhibitor of the CTD of **RSK1** and **RSK2** with IC₅₀ of 15 nM for wt RSK2.

FMK shows 600- and 200-fold selectivity over the C436V and T493M mutants, respectively.

FMK inhibits EGF-induced Ser386 phosphorylation of endogenous RSK2 in COS-7 cells (IC₅₀=200 nM).

FMK also potently inhibits a **Fyn** mutant in which Val285 was replaced with Cys (IC₅₀=100 nM), weakly inhibits WT Fyn with IC₅₀ of 4 μM.

References

Cohen MS, et al. **Science**. 2005 May 27;308(5726):1318-21.

Cohen MS, et al. **Nat Chem Biol**. 2007 Mar;3(3):156-60. Epub 2007 Jan 28.

Kang S, et al. **Cancer Cell**. 2007 Sep;12(3):201-14.

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

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