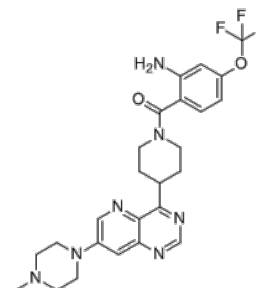


Product Name : BAY885
Cat. No. : PC-35332
CAS No. : 2307249-33-6
Molecular Formula : C₂₅H₂₈F₃N₇O₂
Molecular Weight : 515.541
Target : ERK
Solubility : 10 mM in DMSO



Biological Activity

BAY-885 (BAY885) is a highly potent, selective **ERK5 (MAPK7)** inhibitor with IC₅₀ of 40 nM, shows high selectivity over a panel of 357 kinases (Eurofins panel).

BAY-885 strongly inhibits EGF-stimulated MEF2 transcriptional activity in MEF2 reporter assay with IC₅₀ of 115 nM.

Despite its high potency, BAY-885 failed to inhibit the proliferation of cells with ERK5 genomic amplification (SN12C, SNU-449, MFM-223) or with constitutively active ERK5 signaling (BT-474, SK-BR-3).

References

Clara Lemos, et al. Abstract 5866: Discovery and profiling of a highly potent and selective ERK5 inhibitor: BAY-885. AACR. 2018.

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

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