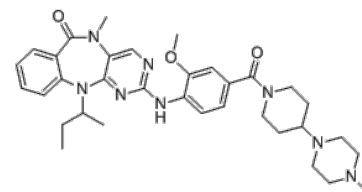


Product Name : JWG-071
Cat. No. : PC-72141
CAS No. : 2250323-50-1
Molecular Formula : C₃₄H₄₄N₈O₃
Molecular Weight : 612.779
Target : ERK
Solubility : 10 mM in DMSO



Biological Activity

JWG-071 is a selective **ERK5** inhibitor (IC₅₀<20 nM) with reduced Brd4/BET inhibitory activity.

JWG-071 does not suppress the Brd4 target gene c-Myc, unlike XMD8-85.

JWG-071 inhibits Erk5-dependent c-Myc phosphorylation and degradation, specific Erk5 inhibition drives Dnmt3b expression.

References

Ignazia Tusa, et al. **Oncogene**. 2018 May;37(19):2601-2614.

Charles A C Williams, et al. **Cell Rep**. 2016 Aug 16;16(7):1820-8.

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

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