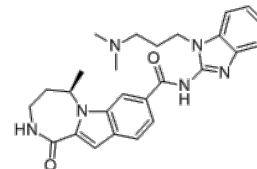


Product Name : BIX 02565
Cat. No. : PC-21764
CAS No. : 1311367-27-7
Molecular Formula : C₂₆H₃₀N₆O₂
Molecular Weight : 458.57
Target : Ribosomal S6 Kinase (RSK)
Solubility : 10 mM in DMSO



Biological Activity

BIX 02565 is a potent, selective ribosomal S6 kinase 2 (**RSK2**) inhibitor with IC₅₀ of 1.1 nM.

BIX 02565 is 100-fold selective relative to RSK for a kinase panel, with the exception of LRRK2 and PRKD1, for which showed 16- and 35-fold selectivity.

BIX 02565 (1, 3, and 10 mg/kg) in the rat CV screen resulted in a precipitous decrease in both mean arterial pressure (MAP; to -65 ± 6 mm Hg below baseline) and heart rate (-93 ± 13 beats/min).

BIX 02565 (30, 100, and 300 mg/kg p.o. QD for 4 days) elicited concentration-dependent decreases in MAP in telemetry-instrumented rats.

References

Thomas M Kirrane, et al. *Bioorg Med Chem Lett*. 2012 Jan 1;22(1):738-42.

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

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