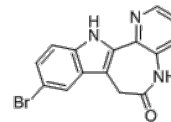


Product Name : 1-Azakenpaullone
Cat. No. : PC-63153
CAS No. : 676596-65-9
Molecular Formula : C₁₅H₁₀BrN₃O
Molecular Weight : 328.169
Target : GSK-3
Solubility :



Biological Activity

1-Azakenpaullone is an analog of kenpaullone and is a potent, selective GSK3 β inhibitor with IC₅₀ of 18 nM, weakly inhibits CDK1/cyclin B and CDK5/p25 (IC₅₀=2.0 and 4.2 μ M); stimulates the proliferation of human pancreatic islets and drives the differentiation of mouse embryonic stem cells.

References

- Kunick C, et al. *Bioorg Med Chem Lett*. 2004 Jan 19;14(2):413-6.
Mishra R, et al. *J Biol Chem*. 2007 Oct 19;282(42):30393-405.
Mfopou JK, et al. *Stem Cell Res*. 2014 Jan;12(1):166-77.
Liu H, et al. *Diabetes*. 2009 Mar;58(3):663-72.

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

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