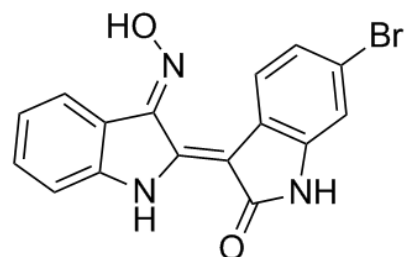


Product Name : BIO
Cat. No. : PC-42664
CAS No. : 667463-62-9
Molecular Formula : C₁₆H₁₀BrN₃O₂
Molecular Weight : 356.1735
Target : GSK-3
Solubility : DMSO: ≥ 23 mg/mL



Biological Activity

A cell-permeable derivative of 6-bromoindirubin that displays selective inhibition of GSK-3 with IC₅₀ of 5 nM; also inhibit CDK1/Cyclin B and CDK5/p25 (IC₅₀, 320 nM and 83 nM); maintains the undifferentiated phenotype in HESCs and MESCs, sustains the expression of Oct-3/4, Rex-1 and Nanog; promotes proliferation in mammalian cardiomyocytes.

References

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Tseng AS, et al. Chem Biol. 2006 Sep;13(9):957-63.

Sato N, et al. Nat Med. 2004 Jan;10(1):55-63.

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

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