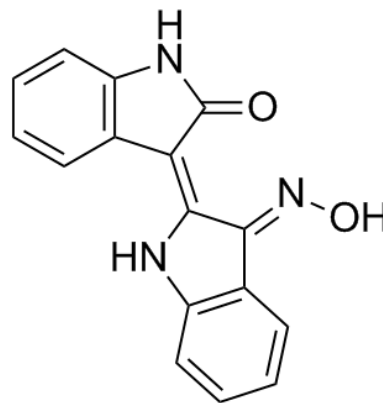


Product Name : Indirubin-3]-monoxime
Cat. No. : PC-45724
CAS No. : 160807-49-8
Molecular Formula : C₁₆H₁₁N₃O₂
Molecular Weight : 277.2774
Target : GSK-3
Solubility : DMSO: ≥ 37 mg/mL



Biological Activity

A potent GSK3 β inhibitor with IC₅₀ of 22 nM; prevents tau phosphorylation both in vitro and in vivo; also inhibits CDKs at higher concentrations, including Cdk1/cyclin B (IC₅₀=180 nM), Cdk2/cyclin A (IC₅₀~500 nM), Cdk2/cyclin E (IC₅₀=250nM), Cdk4/cyclin D1 (IC₅₀=3.3 μ M) and Cdk5/p35 (IC₅₀=100 nM); reversibly inhibits the proliferation of many cells types, arresting cycling in the G2/M phase.

References

- Leclerc S, et al. J Biol Chem. 2001 Jan 5;276(1):251-60.
Hoessel R, et al. Nat Cell Biol. 1999 May;1(1):60-7.
Damiens E, et al. Oncogene. 2001 Jun 28;20(29):3786-97.

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

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