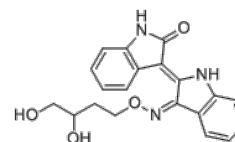


Product Name : Indirubin E804
Cat. No. : PC-61235
CAS No. : 854171-35-0
Molecular Formula : C₂₀H₁₉N₃O₄
Molecular Weight : 365.389
Target : STAT
Solubility : 10 mM in DMSO



Biological Activity

Indirubin E804 is an indirubin derivative that potently blocks constitutive **STAT3** signaling in human breast and prostate cancer cells, directly inhibits Src kinase activity (IC₅₀=0.43 uM) in vitro.

E804 decreases tyrosyl phosphorylation of Stat3, suppresses constitutive Stat3 DNA binding-activity in treated cells, also down-regulates antiapoptotic proteins Mcl-1 and Survivin.

E804 inhibits the subintestinal vessels formation in zebrafish embryos.

References

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Zhou J, et al. *Blood*. 2009 Apr 23;113(17):4052-62.

Chan YK, et al. *Biochem Pharmacol*. 2012 Mar 1;83(5):598-607.

Nam S, et al. *Mol Oncol*. 2012 Jun;6(3):276-83.

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

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