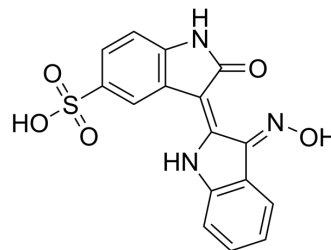


## Indirubin-3'-monoxime-5-sulphonic acid

Cat. No.:	HY-111931
CAS No.:	331467-05-1
Molecular Formula:	C <sub>16</sub> H <sub>11</sub> N <sub>3</sub> O <sub>5</sub> S
Molecular Weight:	357.34
Target:	CDK; GSK-3
Pathway:	Cell Cycle/DNA Damage; PI3K/Akt/mTOR; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Indirubin-3'-monoxime-5-sulphonic acid is a potent and selective inhibitor of CDK1, CDK5, and GSK-3β with IC <sub>50</sub> s of 5 nM, 7 nM, and 80 nM, respectively <sup>[1]</sup> .		
IC <sub>50</sub> & Target	CDK1 5 nM (IC <sub>50</sub> )	CDK5 7 nM (IC <sub>50</sub> )	GSK-3β 80 nM (IC <sub>50</sub> )

### REFERENCES

[1]. Leclerc S, et al. Indirubins inhibit glycogen synthase kinase-3 beta and CDK5/p25, two protein kinases involved in abnormal tau phosphorylation in Alzheimer's disease. A property common to most cyclin-dependent kinase inhibitors. J Biol Chem. 2001 Jan 5;276(1):251-60.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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