



Product Information

CDK inhibitor 5-Iodo-indirubin-3'-monoxime, Purity ≥98%

Cat. No.: X24-05-ZQ803

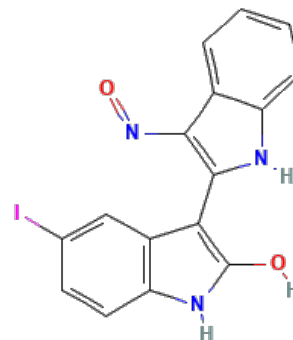
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 331467-03-9

Compound CID: 403176

Synonym: 331467-03-9; 5-Iodo-Indirubin-3'-monoxime; ChEMBL337300; CDK inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	5-Iodo-indirubin-3'-monoxime is an CDK kinase inhibitor that disrupts cell division processes. It targets Cdk1/cyclin B, Cdk5/p25, and GSK-3β.
Molecular Weight	403.17
Molecular Formula	C ₁₆ H ₁₀ IN ₃ O ₂
Targets	Cdk1/cyclin B: 25 nM; Cdk5/p25: 20 nM; GSK-3β: 9 nM
IUPAC Name	5-Iodo-3-(3-nitroso-1 <i>H</i> -indol-2-yl)-1 <i>H</i> -indol-2-ol
InChI	InChI=1S/C16H10IN3O2/c17-8-5-6-12-10(7-8)13(16(21)19-12)15-14(20-22)9-3-1-2-4-11(9)18-15/h1-7,18-19,21H
InChI Key	WCCYEJYTLNWYCC-UHFFFAOYSA-N
Canonical SMILES	<chem>C1=CC=C2C(=C1)C(=C(N2)C3=C(NC4=C3C=C(C=C4)I)O)N=O</chem>
Form	Lyophilized powder
Purity	≥98%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	5-Iodo-indirubin-3'-monoxime can be used to explore its kinase inhibitory effects, including CDKs, in the context of cancer treatment.
Storage	Store at -20°C.