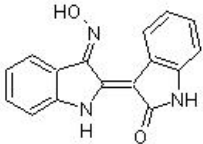


## Product datasheet

# Indirubin-3'-monoxime, GSK3beta inhibitor. CDK inhibitor. ab141296

[1 References](#) [1 Image](#)

### Overview

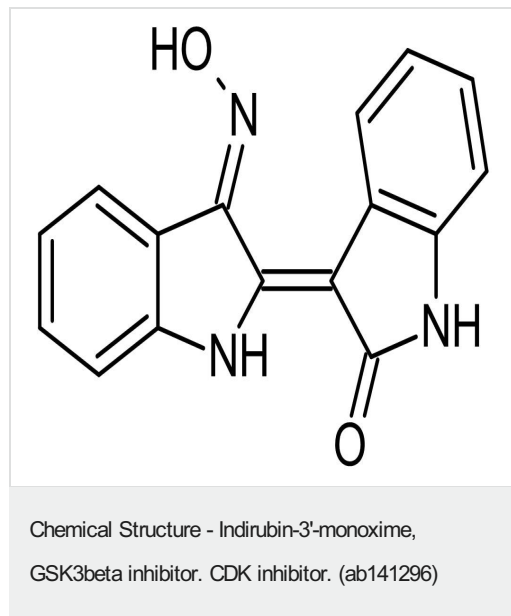
|                               |   |
|-------------------------------|---|
| <b>Product name</b>           | Indirubin-3'-monoxime, GSK3beta inhibitor. CDK inhibitor.   |
| <b>Description</b>            | Potent GSK3β inhibitor. CDK inhibitor.  |
| <b>Biological description</b> | Potent GSK3β inhibitor (IC <sub>50</sub> = 22 nM). CDK inhibitor (IC <sub>50</sub> values are 0.1 (Cdk5/p35), 0.18 (Cdk1/cyclin B), 0.25 (Cdk2/cyclin E), 0.5 (Cdk2/cyclin A) and 3.3 μM (Cdk4/cyclin D1)). Shows reversible antiproliferative effects <i>via</i> G <sub>2</sub> /M cell cycle arrest. Prevents tau phosphorylation. Shows neuroprotective effects <i>in vivo</i> . |
| <b>Purity</b>                 | > 98%   |
| <b>CAS Number</b>             | 160807-49-8   |
| <b>Chemical structure</b>     |    |

### Properties

|                             |   |
|-----------------------------|---|
| <b>Chemical name</b>        | 3-[1,3-Dihydro-3-(hydroxyimino)-2H-indol-2-ylidene]-1,3-dihydro-2H-indol-2-one  |
| <b>Molecular weight</b>     | 277.28  |
| <b>Molecular formula</b>    | C <sub>16</sub> H <sub>11</sub> N <sub>3</sub> O <sub>2</sub>   |
| <b>Storage instructions</b> | Store at -20°C. It is important to note that this product is reported to be light sensitive. Store In the Dark. Store under desiccating conditions.   |
| <b>Handling</b>             | <p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p> |
| <b>SMILES</b>               | <chem>O=N=C3/c4cccc4N/C3=C1/c2cccc2NC1=O</chem>   |

## Images

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2D chemical structure image of ab141296, Indirubin-3'-monoxime,  
GSK3beta inhibitor. CDK inhibitor.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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