

## 6BIO, GSK-3 inhibitor

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Catalog	Unit
TBI1400-5MG	5 mg
TBI1400-25MG	25 mg

### Product Details

**Formal Name:** (2'Z,3'E)-6-Bromoindirubin-3'oxime

**Molecular Formula:** C<sub>16</sub>H<sub>10</sub>BrN<sub>3</sub>O<sub>2</sub>

**Formula Weight:** 356.18

**CAS Number:** 667463-62-9

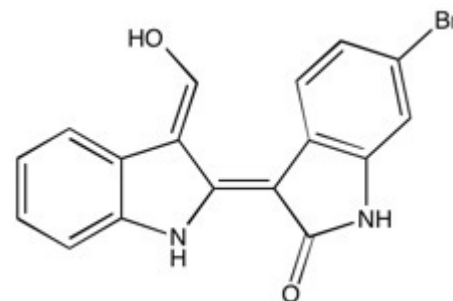
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 15 mg/ml), or in Ethanol (up to 4 mg/ml with warming).

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

GSK-3 inhibitor

### Functions

Potent and selective inhibitor of glycogen synthase kinase-3 (GSK-3) IC<sub>50</sub>=5 nM. The first pharmacological agent shown to maintain self-renewal in human and mouse embryonic stem cells. Promotes proliferation in mammalian cardiomyocytes. A potent inhibitor of malignant lymphoid cell proliferation.

### Application Procedures

First dissolved in DMSO (up to 15 mg/ml), or in Ethanol (up to 4 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 2 months.

**For research use only.**