



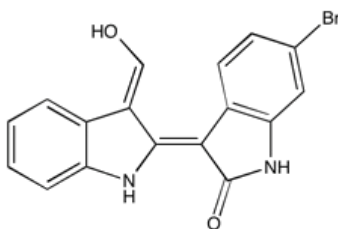
Catalog # 10-1400

6BIO

CAS# 667463-62-9

(2'Z,3'E)-6-Bromoindirubin-3'oxime

Lot # X104013



Potent and selective inhibitor of glycogen synthase kinase-3 (GSK-3) $IC_{50}=5 \text{ nM}^1$. The first pharmacological agent shown to maintain self-renewal in human and mouse embryonic stem cells². Promotes proliferation in mammalian cardiomyocytes². A potent inhibitor of malignant lymphoid cell proliferation³.

- 1) Meijer *et al.* (2003), *GSK-3-selective inhibitors derived from Tyrian purple indirubins*; Chem. Biol., **10** 1255
- 2) Tseng *et al.* (2006), *The GSK-3 inhibitor BIO promotes proliferation in mammalian cardiomyocytes*; Chem. Biol., **13** 957
- 3) Chebel *et al.* (2009), *Indirubin derivatives inhibit malignant lymphoid cell proliferation*; Leuk. Lymphoma, **50** 2049

PHYSICAL DATA

Molecular Weight:	356.18
Molecular Formula:	$C_{16}H_{10}BrN_3O_2$
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 15 mg/ml) or Ethanol (up to 4 mg/ml with warming)
Physical Description:	Purple solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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