

**PRODUCT: LY-2090314**

**ALTERNATE NAME:** 3-(9-fluoro-2-(piperidine-1-carbonyl)-1,2,3,4-tetrahydro-[1,4]diazepino[6,7,1-hi]indol-7-yl)-4-(imidazo[1,2-a]pyridin-3-yl)-1H-pyrrole-2,5-dione

**CATALOG #:** B1043-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>28</sub>H<sub>25</sub>FN<sub>6</sub>O<sub>3</sub>

**MOLECULAR WEIGHT:** 512.53

**CAS NUMBER:** 603288-22-8

**APPEARANCE:** Off-white to light yellow solid

**SOLUBILITY:** DMSO (~10 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20°C. Protect from air and light

**DESCRIPTION:** LY-2090314 is a potent and selective ATP-competitive inhibitor of Glycogen synthase kinase-3 (GSK-3) (IC<sub>50</sub> = 1.5 nM for GSK-3α and 0.9 nM for GSK-3β). LY-2090314 plays an important role in many pathways, including initiation of protein synthesis, cell proliferation, cell differentiation, and apoptosis.

**REFERENCES:** Zamek-Gilszczyński, M.J., *et al.* (2013). *Drug Metab. Disp.* **41**, 714-726.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Alsterpaullone (**Cat. No. 1897-1, 5**)

1-Azakenpaullone (**Cat. No. 1944-1, 5**)

BIO (**Cat. No. 1673-1**)

Bisindolylmaleimide I (**Cat. No. 1945-1, 5**)

Bisindolylmaleimide I hydrochloride (**Cat. No. 1947-1, 5**)

Bikinin (**Cat. No. 2034-10, 50**)

CHIR99021 (**Cat. No. 1677-5, 25**)

EZSolution™ CHIR99021 (**Cat. No. 1748-5**)

EZSolution™ CHIR99021, Sterile-Filtered (**Cat. No. 1991-1**)

CHIR-98014 (**Cat. No. 2595-1, 5**)

EZSolution™ CHIR-98014 (**Cat. No. 2639-1**)

GSK-3 Inhibitor, TWS119 (**Cat. No. 1655-2**)

IM-12 (**Cat. No. 2822-5, 25**)

Kenpaullone (**Cat. No. 1904-1**)

Ro 31-8220 methanesulfonate (**Cat. No. 1946-1, 5**)

SB-216763 (**Cat. No. 1769-1, 5**)

TDZD-8 (**Cat. No. 2854-5,25**)

Tideglusib (**Cat. No. 9601-5,25**)

**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**