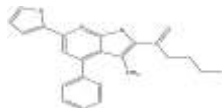


PRODUCT: SW-033291**ALTERNATE NAME:** 2-(Butylsulfinyl)-4-phenyl-6-(2-thienyl)-thieno[2,3-b]pyridin-3-amine;SW033291**CATALOG #:** 9584-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₁H₂₀N₂OS₃**MOLECULAR WEIGHT:** 412.58**CAS NUMBER:** 459147-39-8**APPEARANCE:** White solid**SOLUBILITY:** DMSO (>25 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** SW-033291 is a potent inhibitor of 15-hydroxy prostaglandin dehydrogenase (15-PGDH) K_i = ~0.1 nM). It rapidly increases the levels of PGE₂ in bone marrow and other tissues in mice after intraperitoneal injection. SW-033291 accelerates hematopoietic recovery in mice receiving bone marrow transplant and promotes tissue regeneration in mouse models of colon and liver injury.**REFERENCES:** Zhang, Y., *et al.* (2015). *Science* **348**, 2340-2348.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Ciglitazone (Cat. No. 1695-5)

18β-Glycyrrhetic acid (Cat. No. 9486-1000)

SW-033291 (Cat. No. 9584-5, 25)

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