

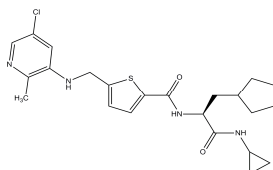
**PRODUCT: GSK2830371**

ALTERNATE NAME: GSK-2830371

CATALOG #: 2578-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:

MOLECULAR FORMULA: C<sub>23</sub>H<sub>29</sub>CN<sub>4</sub>O<sub>2</sub>S

MOLECULAR WEIGHT: 461.02

CAS No. 1404456-53-6

APPEARANCE: Off-white to pale yellow solid

SOLUBILITY: DMSO

PURITY: ≥98% by HPLC

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

**DESCRIPTION:** GSK2830371 is an allosteric Wip1 (Wild type p53-induced phosphatase) inhibitor (IC<sub>50</sub> of 6 nM). It binds to a flap subdomain that regulates Wip1's enzymatic activity and substrate recognition. Due to lack of this domain in other phosphatases, its binding to GSK2830371 results in a selective and potent inhibition of Wip1. Treatment of tumor cells with the inhibitor GSK2830371 increases phosphorylation of Wip1 substrates and causes growth inhibition in both hematopoietic tumor cell lines and Wip1-amplified breast tumor cells harboring wild-type TP53.

**REFERENCES:** Gilmartin, A.G., *et al.* (2014). *Nat. Chem. Biol.* **10**, 181-187.

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

**RELATED PRODUCTS:**

Bakuchiol (Cat. No. 2494-1, 5)

bpV(phen) (Cat. No. 1793-5)

bpV(pic) (Cat. No. 1794-5)

Calyculin A (Cat. No. 1562-025)

Cantharidin (Cat. No. 2510-10, 50)

EZBlock™ Phosphatase Inhibitor Cocktail I (Cat. No. K273-1ML, 1EA)

EZBlock™ Phosphatase Inhibitor Cocktail II (Cat. No. K275-1ML, 1EA)

EZBlock™ Phosphatase Inhibitor Cocktail III (Cat. No. K276-1ML, 1EA)

Microcystin-LR (Cat. No. 1840-100, 500)

Okadaic Acid (Cat. No. 1543-025)

Okadaic Acid, Ammonium Salt (Cat. No. 1766-025)

Okadaic Acid, Potassium Salt (Cat. No. 1765-025)

Okadaic Acid, Sodium Salt (Cat. No. 1764-025)

VO-OHpic (Cat. No. 1801-5, 25)

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