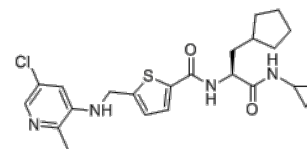


**Product Name** : GSK2830371  
**Cat. No.** : PC-38476  
**CAS No.** : 1404456-53-6  
**Molecular Formula** : C<sub>23</sub>H<sub>29</sub>ClN<sub>4</sub>O<sub>2</sub>S  
**Molecular Weight** : 461.0  
**Target** : Protein Phosphatase/PTP  
**Solubility** : 10 mM in DMSO



## Biological Activity

GSK2830371 (GSK 2830371) is a potent, selective orally active, allosteric inhibitor of **Wip1 phosphatase (PPM1D)** with IC<sub>50</sub> of 6 nM, inhibits endogenous substrates phospho-p38 MAPK (T180) with IC<sub>50</sub> of 13 nM.

GSK2830371 (GSK 2830371) showed no inhibition of any of the 21 additional phosphatases tested.

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.

GSK2830371 (GSK 2830371) oral dosing at 150 mg/kg BID (twice daily) and TID (thrice daily) inhibited the growth of DOHH2 tumor xenografts by 41% and 68%, respectively.

## References

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Richter M, et al. *PLoS One*. 2015 Feb 6;10(2):e0115635.  
Esfandiari A, et al. *Mol Cancer Ther*. 2016 Mar;15(3):379-91.  
Pechackova S, et al. *Oncotarget*. 2016 Mar 22;7(12):14458-75.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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