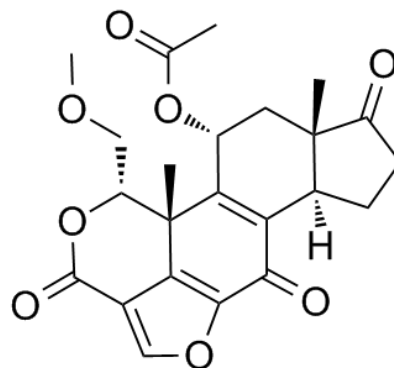


**Product Name** : Wortmannin  
**Cat. No.** : PC-42442  
**CAS No.** : 19545-26-7  
**Molecular Formula** :  $C_{23}H_{24}O_8$   
**Molecular Weight** : 428.4319  
**Target** : PI3K  
**Solubility** : 10 mM in DMSO



## Biological Activity

Wortmannin (SL-2052, KY-12420) is a potent **PI3K** inhibitor with IC50 of 3 nM, does not inhibit PI4K activity. Wortmannin inhibits both Fc epsilon RI-mediated histamine secretion and leukotriene release up to 80% with IC50 of 2.0 and 3.0 nM, respectively. Wortmannin also inhibits DNA-PK and MLCK.

## References

- Yano H, et al. **J Biol Chem.** 1993 Dec 5;268(34):25846-56.  
Nakanishi S, et al. **J Biol Chem.** 1992 Feb 5;267(4):2157-63.  
Nakanishi S, et al. **J Biol Chem.** 1994 Mar 4;269(9):6528-35.  
Boulton S, et al. **Carcinogenesis.** 1996 Nov;17(11):2285-90.

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

E-mail: tech@probechem.com