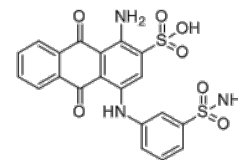


**Product Name** : NSC117079  
**Cat. No.** : PC-60664  
**CAS No.** : 500363-63-3  
**Molecular Formula** : C<sub>20</sub>H<sub>15</sub>N<sub>3</sub>O<sub>7</sub>S<sub>2</sub>  
**Molecular Weight** : 473.474  
**Target** : Protein Phosphatase/PTP  
**Solubility** : 10 mM in DMSO



## Biological Activity

NSC117079 is a selective protein phosphatase **PHLPP** inhibitor with IC<sub>50</sub> of 4 μM for PP2C domain of PHLPP2. NSC117079 also inhibits PHLPP2, has no activities against other phosphatases. NSC117079 activated AKT and ameliorates staurosporine-induced cell death in neurons.

## References

- Jackson TC, et al. *J Pharmacol Exp Ther.* 2013 Nov;347(2):516-28.  
Sierecki E, et al. *J Med Chem.* 2010 Oct 14;53(19):6899-911.  
Hwang SM, et al. *J Orthop Res.* 2017 Oct 25. doi: 10.1002/jor.23781.

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

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