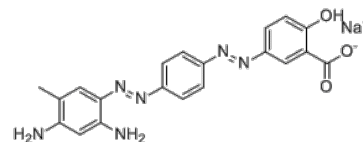


Product Name : NSC45586
Cat. No. : PC-60663
CAS No. : 6300-44-3
Molecular Formula : C₂₀H₁₇N₆NaO₃
Molecular Weight : 412.385
Target : Protein Phosphatase/PTP
Solubility : 10 mM in DMSO



Biological Activity

NSC45586 is a selective protein phosphatase **PHLPP** inhibitor with IC₅₀ of 4 μM for PP2C domain of PHLPP2. NSC45586 also inhibits PHLPP2, has no activities against other phosphatases. NSC45586 activates AKT and ameliorates staurosporine-induced cell death in neurons.

References

Jackson TC, et al. *J Pharmacol Exp Ther.* 2013 Nov;347(2):516-28.
 Sierrecki E, et al. *J Med Chem.* 2010 Oct 14;53(19):6899-911.

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

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