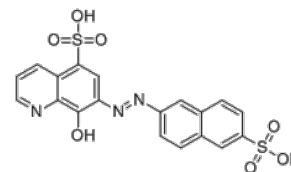


Product Name : NSC 87877
Cat. No. : PC-61176
CAS No. : 56990-57-9
Molecular Formula : C₁₉H₁₃N₃O₇S₂
Molecular Weight : 459.45
Target : Protein Phosphatase/PTP
Solubility : 10 mM in DMSO



Biological Activity

NSC 87877 is potent, selective protein tyrosine phosphatase **SHP1** and **SHP2** with IC₅₀ of 318 and 355 nM, respectively, also inhibits dual-specificity phosphatase 26 (**DUSP26**).

NSC 87877 displays 5-fold selectivity over PTP1B, 20-fold over HePTP and no activity against DEP1, CD45 and LAR.

NSC 87877 also effectively inhibits DUSP26-mediated dephosphorylation of p38.

NSC 87877 inhibits EGF-induced activation of Shp2 PTP, Ras, and Erk1/2 in cell cultures, inhibits EGFR^{III} oncogenic transformation in human glioblastoma cells.

References

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Song M, et al. *Biochem Biophys Res Commun*. 2009 Apr 17;381(4):491-5.

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

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