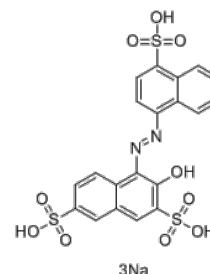


**Product Name** : SCB-4380  
**Cat. No.** : PC-60421  
**CAS No.** : 915-67-3  
**Molecular Formula** : C<sub>20</sub>H<sub>11</sub>N<sub>2</sub>Na<sub>3</sub>O<sub>10</sub>S<sub>3</sub>  
**Molecular Weight** : 604.461  
**Target** : Protein Phosphatase/PTP  
**Solubility** : 10 mM in DMSO



## Biological Activity

SCB-4380 (SCB 4380, SCB4380) is the first potent, selective inhibitor for **PTPRZ** (protein tyrosine phosphatase receptor-type Z) with IC<sub>50</sub> of 0.4 uM against human Z-ICR-catalyzed hydrolysis.

SCB-4380 also strongly inhibits **PTPRG** (IC<sub>50</sub>=0.4 uM), and shows little inhibition on PTPRA, PTPRM, PTPRS, PTPRB, PTPN1 and PTPN6.

SCB-4380 inhibits PTPRZ activity in C6 glioblastoma cells, and suppresses cell migration and proliferation in vitro and tumor growth in a rat allograft model.

## References

Fujikawa A, et al. **Sci Rep.** 2016 Feb 9;6:20473.

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

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