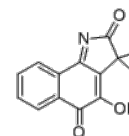


**Product Name** : BVT-948  
**Cat. No.** : PC-62676  
**CAS No.** : 39674-97-0  
**Molecular Formula** : C<sub>14</sub>H<sub>11</sub>NO<sub>3</sub>  
**Molecular Weight** : 241.2  
**Target** : Protein Phosphatase/PTP  
**Solubility** : DMSO; 100 mg/mL



## Biological Activity

BVT-948 (SPS8I-3) is a noncompetitive, cell-permeable inhibitor of **protein tyrosine phosphatases (PTPs)** with IC<sub>50</sub> of 0.09-1.7 μM.

BVT-948 (SPS8I-3) also inhibits the protein methyltransferases SETD8, SETD2, G9a, SMYD2, CARM1, and PRMT3 with IC<sub>50</sub> of 0.7-3.2 μM.

BVT-948 (SPS8I-3) enhances insulin signaling in cells and insulin tolerance in ob/ob mice.

BVT-948 (SPS8I-3) suppresses the expression of matrix metalloproteinase-9 and invasion in breast cancer cells.

## References

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Hwang BM, et al. *BMB Rep.* 2013 Nov;46(11):533-8.

Liljebriis C, et al. *J Pharmacol Exp Ther.* 2004 May;309(2):711-9.

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

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