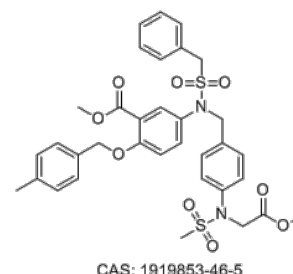


**Product Name** : PTP1B-IN-2  
**Cat. No.** : PC-20596  
**CAS No.** : 1919853-46-5  
**Molecular Formula** : C<sub>34</sub>H<sub>36</sub>N<sub>2</sub>O<sub>9</sub>S<sub>2</sub>  
**Molecular Weight** : 680.79  
**Target** : Protein Phosphatase/PTP  
**Solubility** : 10 mM in DMSO



## Biological Activity

PTP1B-IN-2 (compound P6) is a potent, selective potent protein tyrosine phosphatase 1B (PTP1B) inhibitor with IC<sub>50</sub> of 50 nM, >40-fold selectivity over SHP-2 and LAR, >15-fold selectivity over the highly homologous TCPTP.

PTP1B-IN-2 (15 and 30 uM) greatly enhances insulin-mediated IR $\beta$  phosphorylation, significantly increases insulin-stimulated glucose uptake in L6 myotube.

## References

Peihong Liu, et al. Eur J Med Chem. 2016 Aug 8;118:27-33.

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

E-mail: tech@probechem.com