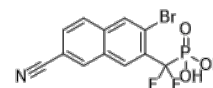


**Product Name** : L598  
**Cat. No.** : PC-25663  
**CAS No.** : 809272-64-8  
**Molecular Formula** : C<sub>12</sub>H<sub>7</sub>BrF<sub>2</sub>NO<sub>3</sub>P  
**Molecular Weight** : 362.07  
**Target** : Protein Phosphatase/PTP  
**Solubility** : 10 mM in DMSO



CAS: 809272-64-8

### Biological Activity

L598 is a potent, phosphotyrosine mimetic dual **PTPN1/PTPN2** (PTP1B/TC-PTP) inhibitor with IC<sub>50</sub> of 120 nM for both. L598 is a catalytic site inhibitor of PTPN1 that can inhibit PTPN2 at an equimolar concentration. L598 enhances CTL responses against cancer cells. L598 synergizes with PD-1 blockade to enhance anti-tumor immunity in vivo.

### References

Perez-Quintero LA, et al. *iScience*. 2025 Sep 22;28(10):113610.  
Yongxin Han, et al. *Bioorg Med Chem Lett*. 2008 Jun 1;18(11):3200-5.

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

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