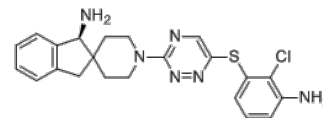


**Product Name** : PF-07284892  
**Cat. No.** : PC-72611  
**CAS No.** : 2498597-94-5  
**Molecular Formula** : C<sub>21</sub>H<sub>22</sub>ClN<sub>7</sub>S  
**Molecular Weight** : 439.96  
**Target** : Protein Phosphatase/PTP  
**Solubility** : 10 mM in DMSO



1. Drilon A, et al. *Cancer Discov.* 2023 Aug 4;13(8):1789-1801.

## Biological Activity

PF-07284892 (ARRY-558) is a potent, selective allosteric **SHP2** inhibitor with IC<sub>50</sub> of 21 nM, has 1,000-fold selectivity for SHP2 over 21 other phosphatases, including the closely related SHP1.

PF-07284892 potently inhibits phosphorylated ERK (pERK) with low nanomolar IC<sub>50</sub> values.

PF-07284892 shows improved brain penetration compared with other SHP2 inhibitors.

PF-07284892 overcomes bypass-signaling-mediated resistance when combined with inhibitors of various oncogenic drivers.

## References

