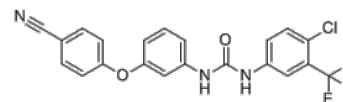


**Product Name** : SHP-1 agonist SC-43  
**Cat. No.** : PC-20911  
**CAS No.** : 1400989-25-4  
**Molecular Formula** : C<sub>21</sub>H<sub>13</sub>ClF<sub>3</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 431.80  
**Target** : Protein Phosphatase/PTP  
**Solubility** : 10 mM in DMSO



CAS: 1400989-25-4

## Biological Activity

SHP-1 agonist SC-43 is a potent and orally active SHP-1 (PTPN6) agonist, SC-43 interacts with the N-SH2 domain of SHP-1 to enhance the activity of SHP-1.

SHP-1 agonist SC-43 is a sorafenib derivative but displays more potent anti-HCC activity than sorafenib.

SHP-1 agonist SC-43 treatment reduced the activated HSCs and thus effectively prevented and regressed liver fibrosis in both fibrosis mouse models and improved mouse survival.

SC-43 promoted HSC apoptosis, increased the SHP-1 activity and inhibited phospho-STAT3.

## References

Tai WT, et al. Hepatology. 2014 Jan;59(1):190-201.

Su TH, et al. Sci Rep. 2017 May 11;7(1):1728.

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

E-mail: tech@probechem.com