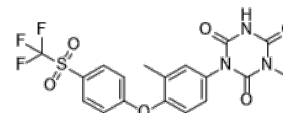


**Product Name** : ACD855  
**Cat. No.** : PC-23115  
**CAS No.** : 69004-04-2  
**Molecular Formula** : C<sub>18</sub>H<sub>14</sub>F<sub>3</sub>N<sub>3</sub>O<sub>6</sub>S  
**Molecular Weight** : 457.38  
**Target** : Trk Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

ACD855 (Ponazuril) is a potent, pan-Trk positive allosteric modulator (PAM) with EC<sub>50</sub> of 1.9, 3.2 and 0.8 μM for TrkA, TrkB and TrkC respectively.

ACD855 effectively potentiates the response of NGF and BDNF in TrkA- and TrkB-overexpressing cell lines.

ACD855 facilitates LTP induction in hippocampal rat slices. ACD855 (3 or 10 mg/kg, s.c.) reverses memory-impairment in the passive avoidance task in mice.

## References

Dahlström M, et al. *Cells*. 2021 Jul 23;10(8):1871.

Madjid N, et al. *Psychopharmacology (Berl)*. 2023 Aug;240(8):1789-1804.

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

E-mail: tech@probechem.com