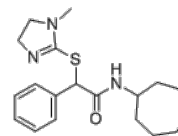


Product Name : Apostatin-1
Cat. No. : PC-38288
CAS No. : 2559703-06-7
Molecular Formula : C₁₉H₂₇N₃OS
Molecular Weight : 345.502
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Apostatin-1 is a small molecule that binds to a pocket on the N-terminal TRAF2-binding domain of **TRADD** (TRADD-N). TRADD-N interacts with the C-terminal domain (TRADD-C) and TRAF2 to modulate the ubiquitination of RIPK1 and beclin 1.

Apostatin-1 effectively induced autophagy and the degradation of long-lived proteins.

Inhibition of TRADD by ICCB-19 or Apostatin-1 blocks apoptosis and restores cellular homeostasis by activating autophagy in cells with accumulated mutant tau, α-synuclein, or huntingtin.

References

Daichao Xu, et al. *Nature*. 2020 Nov;587(7832):133-138.

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

E-mail: tech@probechem.com