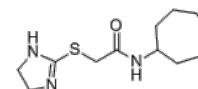


Product Name : ICCB-19
Cat. No. : PC-38287
CAS No. : 750621-52-4
Molecular Formula : C₁₂H₂₁N₃OS
Molecular Weight : 255.38
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

ICCB-19 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.

ICCB-19 indirectly inhibited RIPK1, inhibited (bortezomib)-induced apoptosis and RDA with IC₅₀ of 1 μ M.

ICCB-19 effectively induced autophagy and the degradation of long-lived proteins.

Inhibition of TRADD by ICCB-19 or Apt-1 (Apostatin-1, Cat. PC-38288) 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!

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