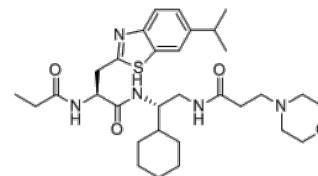


Product Name : DI-591
Cat. No. : PC-60017
CAS No. : 2245887-38-9
Molecular Formula : C₃₁H₄₇N₅O₄S
Molecular Weight : 585.808
Target : Ubiquitin-conjugating Enzyme (E2)
Solubility : 10 mM in DMSO



Biological Activity

DI-591 (DI591) is a potent, selective, cell-permeable inhibitor of the **DCN1-UBC12 interaction** with K_i of 10-12 nM for human DCN1 and DCN2.

DI-591 displays no affinity against DCN3/4/5 (K_i>10 μM).

DI-591 selectively inhibits neddylation of cullin 3 but has no or minimal effect on neddylation of other cullin family members.

DI-591 accumulates NRF2 protein and its transcriptional activation in cells.

References

Zhou H, et al. *Nat Commun.* 2017 Oct 27;8(1):1150.

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

E-mail: tech@probechem.com