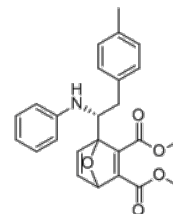


**Product Name** : COH000  
**Cat. No.** : PC-35900  
**CAS No.** : 1534358-79-6  
**Molecular Formula** : C<sub>25</sub>H<sub>25</sub>NO<sub>5</sub>  
**Molecular Weight** : 419.477  
**Target** : Ubiquitin-activating Enzyme (E1)  
**Solubility** : 10 mM in DMSO



### Biological Activity

COH000 (COH-000) is a highly selective, first-in-class, irreversible, allosteric, covalent inhibitor of **SUMO-Activating Enzyme E1**, inhibits SUMOylation in vitro with IC<sub>50</sub> of 0.2 uM, displays >500-fold selectivity for SUMOylation over ubiquitylation.

COH000 increased the degradation of SAE2, increases the expression of miR-34b and reduces c-Myc levels in lymphoma and colorectal cancer cell lines and a colorectal cancer xenograft mouse model.

### References

Li YJ, et al. **Cell Chem Biol.** 2018 Dec 5. pii: S2451-9456(18)30386-6. doi: 10.1016/j.chembiol.2018.10.026.

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

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