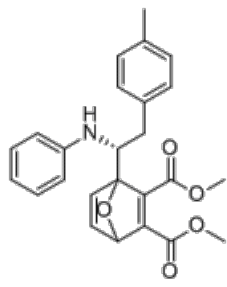


Product Name	: COH000	
Synonyms	: COH-000; COH 000; CID 46835111; SID 99212997	
Cat No.	: M12160	
CAS Number	: 1534358-79-6	
Molecular Formula	: C ₂₅ H ₂₅ NO ₅	
Formula Weight	: 419.48	
Chemical Name	: dimethyl 1-((R)-1-(phenylamino)-2-(p-tolyl)ethyl)-7-oxabicyclo[2.2.1]hepta-2,5-diene-2,3-dicarboxylate	
Description	: 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 ₅₀ of 0.2 uM, displays >500-fold selectivity for SUMOylation over ubiquitylation; 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.	
Pathway	: Proteasome/Ubiquitin	
Target	: E1	
Receptor	: SUMO-activatingenzyme	
Solubility	: DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)	
SMILES	: <chem>O=C(C1=C(C(OC)=O)C2C=CC1([C@H](NC3=CC=CC=C3)CC4=CC=C(C)C=C4)O2)OC</chem>	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

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