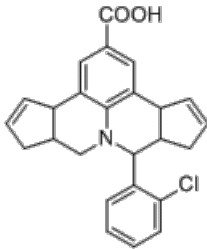


Product Name	: UC-857993	
Synonyms	: UC 857993; UC857993	
Cat No.	: M14633	
CAS Number	: 487001-04-7	
Molecular Formula	: C ₂₅ H ₂₂ ClNO ₂	
Formula Weight	: 403.91	
Chemical Name	: 7-(2-chlorophenyl)-3b,6,6a,7,9,9a,10,12a-octahydrocyclopenta[4,5]pyrido[3,2,1-ij]cyclopenta[c]quinoline-2-carboxylic acid	
Description	: A small molecule inhibitor of guanine nucleotide exchange factor (GEF) catalytic activity that binds to SOS1 (K _d =14.7 uM) and disrupts GEF-Ras interaction; dose-dependently disrupts the SOS1-Ras interaction by competitively inhibiting the binding of SOS1cat to GDP-bound H-Ras in a microscale thermophoresis assay; dose-dependently inhibits Ras activation and downstream ERK activation mediated through EGFR-SOS1-Ras-Raf1-MEK-ERK signaling, specifically inhibits wild-type mouse embryonic fibroblast growth but not the growth of oncogenic H-Ras(G12V)-expressing mouse embryonic fibroblasts; inhibits Ras signaling and growth of pancreatic and prostate cancer cells.	
Pathway	: MAPK/ERK Signaling	
Target	: Ras	
Receptor	: Ras	
Solubility	: —	
SMILES	: —	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Evelyn CR, et al. J Biol Chem. 2015 May 15;290(20):12879-98.