



Product Information

ROCK inhibitor AT13148, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ850

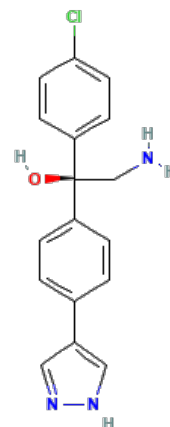
Size: 5 mg; 10 mg; 25 mg

CAS Number: 1056901-62-2

Compound CID: 24905401

Synonym: 1056901-62-2; AT 13148; AT-13148; ROCK inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	AT13148, soluble in DMSO and insoluble in ethanol and water, blocks the ATP-binding site of ROCK, thereby inhibiting its kinase activity. It targets ROCK1, ROCK2, Akt1, and Akt2.
Molecular Weight	313.78
Molecular Formula	C ₁₇ H ₁₆ ClN ₃ O
Targets	ROCK1: 6 nM; ROCK2: 4 nM; Akt1: 38 nM; Akt2: 402 nM
IUPAC Name	(1S)-2-amino-1-(4-chlorophenyl)-1-[4-(1H-pyrazol-4-yl)phenyl]ethanol
InChI	InChI=1S/C17H16ClN3O/c18-16-7-5-15(6-8-16)17(22,11-19)14-3-1-12(2-4-14)13-9-20-21-10-13/h1-10,22H,11,19H2,(H,20,21)/t17-m/s1
InChI Key	IIRWNGPLJQXWFJ-KRWDZBQOSA-N
Canonical SMILES	C1=CC(=CC=C1C2=CCN=C2)C(CN)(C3=CC=C(C=C3)Cl)O
Isomeric SMILES	C1=CC(=CC=C1C2=CCN=C2)[C@@](CN)(C3=CC=C(C=C3)Cl)O
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 55 mg/mL (175.28 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	AT13148 is used to examine its role as a multi-AGC kinase inhibitor in cancer research.
Storage	Store at -20°C.