



CP-312

Cat. No.:	OB0225LY-0463
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR and HPLC.
Size:	1 mg; 5 mg; 10 mg; 25 mg; 50 mg; 100 mg; 500 mg

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

Product Overview

Description	CP-312 is a selective inhibitor that primarily targets specific enzymes and signaling channels with potential anti-tumor and anti-inflammatory properties.
Synonym	CP312; Cardioprotectant 312; 895470-67-4; Cardioprotectant; 2-((4-Chlorophenyl)thio)-N-(4-(pyridin-2-yl)thiazol-2-yl)acetamide; 2-[(4-Chlorophenyl)sulfanyl]-N-[4-(pyridin-2-yl)-1,3-thiazol-2-yl]acetamide
CAS No.	895470-67-4
Compound CID	22581391
Formula	C ₁₆ H ₁₂ ClN ₃ OS ₂
Formula Weight	361.87

Specification

Relative Density	1.45 g/cm ³
IUPAC Name	2-(4-Chlorophenyl)sulfanyl-N-(4-pyridin-2-yl-1,3-thiazol-2-yl)acetamide
InChI	InChI=1S/C16H12ClN3OS2/c17-11-4-6-12(7-5-11)22-10-15(21)20-16-19-14(9-23-16)13-3-1-2-8-18-13/h1-9H,10H2,(H,19,20,21)
InChI Key	KAWIOCMUARENDQ-UHFFFAOYSA-N
SMILES string	C1=CC=NC(=C1)C2=CSC(=N2)NC(=O)CSC3=CC=C(C=C3)Cl
Stability	3 years in powder form.
Storage	Storage at -20°C.

**Applications**

CP-312 can be used to study carcinogenesis and signaling pathways or to evaluate its biological activity during drug screening.

Library Information

Targets	Antioxidant/Cytoprotective enzymes; Reactive species modulators
Receptors	Reactive oxygen species; (HO)-1
Pathways	Autophagy; Metabolism; Immunology/Inflammation; NF-κB
Plate Number	AOCL-6
Plate Location	h10
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10 mM DMSO
DMSO Max Solubility	45 mg/mL; 124.35 mM