



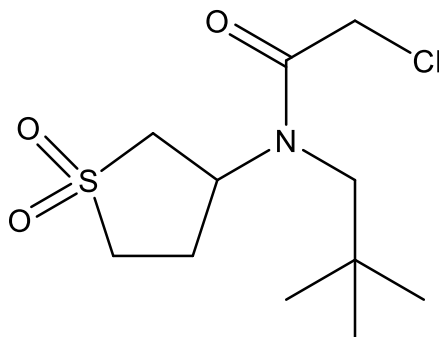
Catalog # 10-4450

Sulfopin

CAS# 2451481-08-4

2-Chloro-N-(2,2-dimethylpropyl)-N-(1,1-dioxothiolan-3-yl)acetamide

Lot # FBS2174



Sulfopin (2451481-08-4) is a potent and selective covalent inhibitor of peptidyl-prolyl isomerase NIMA interacting-1 (Pin1) ($K_i = 17$ nM).¹ Although it displayed little to no cytotoxicity against a panel of 300 cancer cell lines, it had a significant impact on cancer cell growth after prolonged treatment. It suppressed MYCN-driven neuroblastoma initiation and the growth and survival of primary neuroblastoma tumor cell transplants in zebrafish.

- 1) Dubiella *et al.* (2021), *Sulfopin is a covalent inhibitor of Pin1 that blocks Myc-driven tumors in vivo*; Nat. Chem. Biol. **17** 954

PHYSICAL DATA

Molecular Weight:	281.80
Molecular Formula:	C ₁₁ H ₂₀ ClNO ₃ S
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (>25 mg/mL)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at -20° for up to 2 years from the date of purchase. Solutions in dry DMSO may be stored at -20°C for up to 1 month.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.