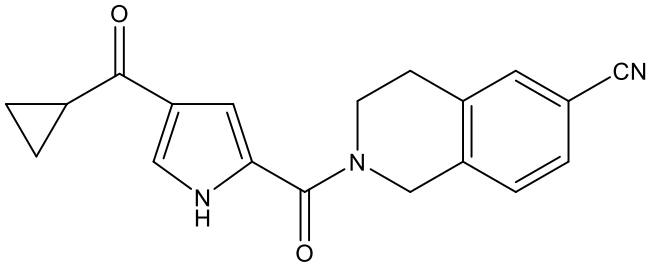
Catalog # 10-4386

SG-55

CAS# N/A

2-{[4-(Cyclopropylcarbonyl)-1H-pyrrol-2-yl]-carbonyl}-1,2,3,4-tetrahydroisoquinoline-7-carbonitrile

Lot # FBA11027



SG-55 is a noncompetitive AKR1C3 inhibitor (IC_{50} = 5 nM) with high selectivity over other isoforms. It synergized with Osimertinib in EGFR mutant cancer cells to suppress cell proliferation, clonogenicity, and survival. SG-55 resensitized PC-9/OR triple mutant NSCLC cells to Osimertinib treatment. Active *in vivo*.

1) Guo *et al*. (2026), *Discovery of Highly Selective AKR1C3 Inhibitors to Overcome EGFR C797S-Mediated Osimertinib Resistance in Non-Small Cell Lung Cancer*; J. Med. Chem. **69** 6399

PHYSICAL DATA

Molecular Weight:	319.36
Molecular Formula:	$C_{19}H_{17}N_3O_2$
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (40 mg/ml)
Physical Description:	Off-white to beige solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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