



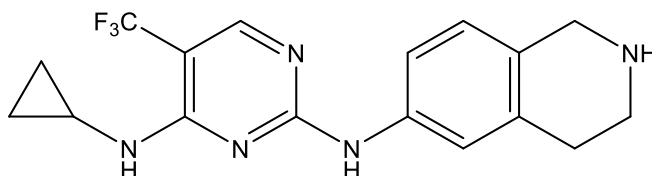
Catalog #10-3989

SBP-5147

CAS# N/A

4-Cyclopropyl-N-2-(1,2,3,4-tetrahydroisoquinolin-6-yl)-5-(trifluoromethyl)pyrimidine-2,4-diamine

Lot # FBA11065



SBP-5147 is a potent ($IC_{50} = 2 \text{ nM}$) inhibitor of ULK1/2. It decreased autophagic flux in A549 cells and reduced viability of various NSCLC lung cancer cells (and induced apoptosis) without affecting non-cancerous cells. SBP-5147 treatment also increased expression of major histocompatibility complex I (MHC-I) in lung cancer cells suggesting therapeutic utility in conjunction with immune checkpoint therapy.

- 1) Layng *et al.* (2026) *Synthesis and Characterization of ULK1/2 Kinase Inhibitors That Inhibit Autophagy and Upregulate Expression of Major Histocompatibility Complex I for the Treatment of Non-Small Cell Lung Cancer*; ACS Chem. Biol. **21** 469

PHYSICAL DATA

Molecular Weight:	349.36
Molecular Formula:	C ₁₇ H ₁₈ F ₃ N ₅
Purity:	>98% (HPLC)
	NMR: (Conforms)
Solubility:	DMSO (20 mg/ml)
Physical Description:	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.

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

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