

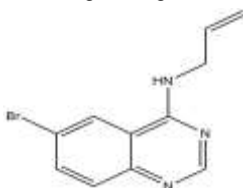
SMER28

ALTERNATE NAME: Small-Molecule Enhancer of Rapamycin-28;
6-Bromo-4-allylaminoquinazoline

CATALOG #: 1856-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₁H₁₀BrN₃

MOLECULAR WEIGHT: 264.12

CAS NUMBER: 307538-42-7

APPEARANCE: Off-white solid

SOLUBILITY: DMSO (~8 mg/ml) or EtOH (~ 2 mg/ml)

PURITY: ≥98% by TLC

STORAGE: Store at -20 °C

DESCRIPTION: Cell permeable. Acts as a positive regulator of autophagy, acting via mTOR-independent mechanism. SMER28 increases autophagosome synthesis and enhances the clearance of model autophagy substrates such as A53T α -synuclein and mutant huntingtin fragments. It is also protective in *Drosophila* model of Huntington's Disease (HD).

REFERENCE: Renna, M., *et al.* (2010). *J. Biol. Chem.* **285**, 11061-11067;
Sarkar, S., *et al.* (2007). *Nat. Chem. Biol.* **3**, 331-338.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS

- Amiodarone Hydrochloride (Cat. No. 1828-100, 500)
- Bafilomycin A1 (Cat. No. 1829-50, 250)
- Chloroquine Diphosphate (Cat. No. 1825-100, 500)
- Leupeptin Hemisulfate (Cat. No. 1648-25, 50,100)
- LY 294002 (Cat. No. 1667-5, 25)
- EZSolution™ LY 294002 (Cat. No. 1747-5)
- Niclosamide (Cat. No. 1826-100, 500)
- Pepstatin A (Cat. No. 1732-25, 100)
- Rapamycin (Cat. No. 1568-5, 50)
- EZSolution™ Rapamycin (Cat. No. 1746-5)
- Rottlerin (Cat. No. 1827-10)
- Wortmannin (Cat. No. 1670-1)