

MS44

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	MS44 is a potent degrader of aurora kinase B (AURKBPROTAC) with a degradation concentration (DC50) of 103 nM. It effectively and selectively degrades AURKB in a time- and ubiquitin-proteasome system (UPS)-dependent manner, showing specificity for AURKB over AURKA and AURKC. MS44 inhibits the proliferation of various cancer cell lines and strongly induces G2/M arrest. It is useful for studying AURKB-dependent tumors.
Targets(IC50)	Aurora Kinase,PROTACs
In vitro	MS44 (Compound 18) effectively degrades AURKB in HPAF-11 cells by hijacking the UPS, demonstrating a concentration and time-dependent action (1 nM-10 µM, 1-96 h), and exhibits similar effects across various cancer cell lines. It inhibits the proliferation of HPAF-11, K562, U937, CFPAC-1, SW1783, and HT-29 cells at 1 µM over 24-96 hours. Additionally, MS44 induces G2/M phase arrest in U937 cells within 48 hours.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481