

Product Name	: ULK1-IN-2
Synonyms	: —
Cat No.	: M35716
CAS Number	: 2497409-01-3
Molecular Formula	: C ₁₉ H ₁₆ BrFN ₄ O ₆
Formula Weight	: 495.26
Chemical Name	: —
Description	ULK1-IN-2 (compound 3s) is a potent ULK1 inhibitor. ULK1-IN-2 shows highest cytotoxic effect against cancer cell lines, with IC ₅₀ of 1.94 μM in A549. ULK1-IN-2 can induce apoptosis and simultaneously block autophagy, and can be used to study NSCLC (Non-small cell lung cancer).
Pathway	: Autophagy
Target	: Autophagy
Receptor	: Autophagy Apoptosis
Solubility	: In Vitro: ?DMSO : 33.33 mg/mL (67.30 mM; Ultrasonic)
SMILES	: <chem>O(C)C1=C(OC)C=C(NC=2N=C(OC3=C(F)C=C(N(=O)=O)C=C3)C(Br)=CN2)C=C1OC</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Sun D, Yang Z, Zhen Y, et al. Discovery of 5-bromo-4-phenoxy-N-phenylpyrimidin-2-amine derivatives as novel ULK1 inhibitors that block autophagy and induce apoptosis in non-small cell lung cancer. Eur J Med Chem. 2020;208:112782.?