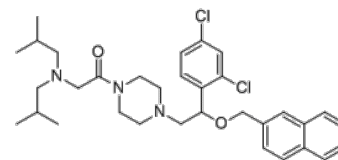


Product Name : LYN-1604
Cat. No. : PC-63085
CAS No. : 2088939-99-3
Molecular Formula : C₃₃H₄₃Cl₂N₃O₂
Molecular Weight : 584.626
Target : ULK
Solubility : 10 mM in DMSO



Biological Activity

LYN-1604 is a potential **ULK1** agonist (enzymatic activity=195.7% at 100 nM and IC₅₀=1.66 uM against MDA-MB-231 cells), displays a good effect on ULK1 activation with an EC₅₀ of 18.94 nM.

LYN-1604 induces cell death, associated with autophagy by the ULK complex (ULK1-mATG13-FIP200-ATG101) in MDA-MB-231 cells.

LYN-1604 induces cell death involved in ATF3, RAD21, and caspase3, accompanied by autophagy and apoptosis.

LYN-1604 inhibits the tumor growth of xenograft TNBC.

References

Zhang L, et al. *Chem Sci*. 2017 Apr 1;8(4):2687-2701.

Ouyang L, et al. *Autophagy*. 2017 Apr 3;13(4):777-778.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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