

Product Name : ML349

Synonyms : —

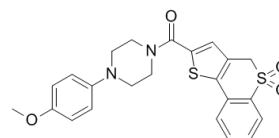
Cat No. : M21729

CAS Number : 890819-86-0

Molecular Formula : C₂₃H₂₂N₂O₄S₂

Formula Weight : 454.56

Chemical Name : —



Description : ML349 is an inhibitor of acyl protein thioesterase 1 and 2 (APT-1 and APT-2) with K_is of >10000 and 120±20 nM, respectively. ML349 is also an inhibitor of both LYPLA1 and LYPLA2 with IC₅₀s of >3000 and 144 nM, respectively[2]. ML348 and ML349 do not decrease cell viability, but they lead to a slight activation of AKT in NRAS mutant cells.

Pathway : Metabolic Enzyme/Protease

Target : Phospholipase

Receptor : —

Solubility : DMSO : 20 mg/mL (44.00 mM; Need ultrasonic)

SMILES : COC1=CC=C(N2CCN(C(C3=CC4=C(C(C=CC=C5)=C5S(C4)(=O)=O)S3)=O)CC2)C=C1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Won SJ, et al. Molecular Mechanism for Isoform-Selective Inhibition of Acyl Protein Thioesterases 1 and 2 (APT1 and APT2). ACS Chem Biol. 2016 Dec 16;11(12):3374-3382. 2. Adibekian A, et al. Characterization of a Selective, Reversible Inhibitor of Lysophospholipase 2 (LYPLA2).