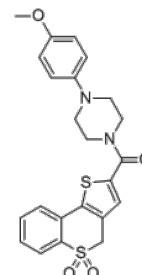


**Product Name** : ML349  
**Cat. No.** : PC-60917  
**CAS No.** : 890819-86-0  
**Molecular Formula** : C<sub>23</sub>H<sub>22</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub>  
**Molecular Weight** : 454.56  
**Target** : Phospholipase  
**Solubility** : DMSO: 20 mg/mL



### Biological Activity

ML349 is a potent, specific acyl protein thioesterase 2 (**APT-2**, **LYPLA2**) inhibitor with IC<sub>50</sub> of 144 nM and K<sub>i</sub> of 120 nM. ML349 displays >20-fold selectivity over APT-1 and serine hydrolase enzyme family. ML349 is a useful chemical probe for investigations into the biological function of LYPLA1 and LYPLA2.

### References

- Won SJ, et al. *ACS Chem Biol*. 2016 Dec 16;11(12):3374-3382.  
Vujic I, et al. *Oncotarget*. 2016 Feb 9;7(6):7297-306.  
Won SJ, et al. *ACS Med Chem Lett*. 2016 Dec 9;8(2):215-220.

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

E-mail: tech@probechem.com