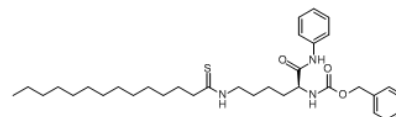


**Product Name** : Thiomyristoyl  
**Cat. No.** : PC-42347  
**CAS No.** : 1429749-41-6  
**Molecular Formula** : C<sub>34</sub>H<sub>51</sub>N<sub>3</sub>O<sub>3</sub>S  
**Molecular Weight** : 581.85204  
**Target** : Sirtuin  
**Solubility** : DMSO: ≥ 32 mg/mL



### Biological Activity

Thiomyristoyl is a highly selective and potent **SIRT2** inhibitor with IC<sub>50</sub> of 28 nM, displays no significant activity against SIRT1/3/5/6/7 (IC<sub>50</sub> > 100 μM).

Thiomyristoyl promotes c-Myc ubiquitination and degradation, exhibits broad anticancer effect in various human cancer cells while having limited effects on non-cancerous cells.

Thiomyristoyl demonstrates in vivo effect in mouse models of breast cancer.

### References

Teng YB, et al. **Sci Rep.** 2015 Feb 23;5:8529.

Jing H, et al. **Cancer Cell.** 2016 Mar 14;29(3):297-310.

Wang Y, et al. **Cell Chem Biol.** 2017 Mar 16;24(3):339-345.

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

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