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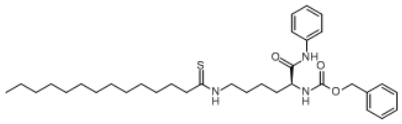
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Thiomyristoyl
Cat. No.	:	PC-42347
CAS No.	:	1429749-41-6
Molecular Formula	:	$C_{34}H_{51}N_3O_3S$
Molecular Weight	:	581.85204
Target	:	Sirtuin
Solubility	:	DMSO: ≥ 32 mg/mL



Biological Activity

Thiomyristoyl (TM) is a highly selective and potent **SIRT2** inhibitor with IC50 of 28 nM, displays no significant activity against SIRT1/3/5/6/7 (Ic50>100 uM).
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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