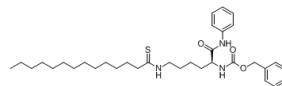


Product Name	: Thiomyristoyl
Synonyms	: Thiomyristoyl
Cat No.	: M11816
CAS Number	: 1429749-41-6
Molecular Formula	: C ₃₄ H ₅₁ N ₃ O ₃ S
Formula Weight	: 581.85
Chemical Name	: Carbamic acid, N-[(1S)-1-[(phenylamino)carbonyl]-5-[(1-thioxotetradecyl)amino]pentyl]-, phenylmethyl ester
Description	Thiomyristoyl is a highly selective and potent SIRT2 inhibitor with IC ₅₀ of 28 nM, displays no significant activity against SIRT1/3/5/6/7 (IC ₅₀ >100 uM); promotes c-Myc ubiquitination and degradation, exhibits broad anticancer effect in various human cancer cells while having limited effects on non-cancerous cells; demonstrates in vivo effect in mouse models of breast cancer.
Pathway	: Chromatin/Epigenetic
Target	: Sirtuin
Receptor	: SIRT1;SIRT2
Solubility	: DMSO: ≥ 32 mg/mL
SMILES	: <chem>O=C(OCC1=CC=CC=C1)N[C@@H](CCCCNC(CCCCCCCCCCCC)=S)C(=O)NC2=CC=CC=C2</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Teng YB, et al. Sci Rep. 2015 Feb 23;5:8529. | 2. Jing H, et al. Cancer Cell. 2016 Mar 14;29(3):297-310. | 3. Wang Y, et al. Cell Chem Biol. 2017 Mar 16;24(3):339-345.