



LKT Laboratories, Inc.

Thapsigargin

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Product Information

Product ID T2801

CAS No. 67526-95-8

Chemical Name Octanoic acid, 6-(acetyloxy)-2,3,3a,4,5,6,6a,7,8,9b-decahydro-3,3a-dihydroxy-3,6,9-trimethyl-8-((2-methyl-1-oxo-2-butenyl)oxy)-2-oxo-4-(1-oxobutoxy)-azuleno(4,5-b)furan-7-yl ester,

Synonym Thapsigargin, Tg

Formula C₃₄H₅₀O₁₂

Formula Wt. 650.75

Melting Point

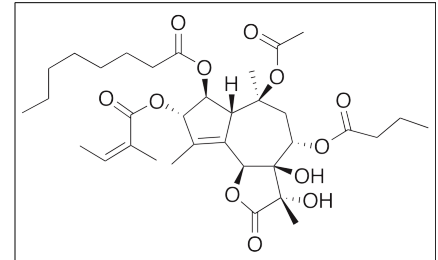
Purity ≥96%

Solubility Soluble in DMSO, ethanol, or acetonitrile.

Store Temp -20°C

Ship Temp Ambient

Description Thapsigargin is a sesquiterpene lactone found in *Thapsia* that is used in research models to induce endoplasmic reticulum (ER) stress. Thapsigargin inhibits SERCA Ca²⁺ pumps and may induce autophagy or apoptosis.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
T2801	1 mg	\$104.90
T2801	5 mg	\$441.90

References Zhang X, Yuan Y, Jiang L, et al. Endoplasmic reticulum stress induced by tunicamycin and thapsigargin protects against transient ischemic brain injury: Involvement of PARK2-dependent mitophagy. *Autophagy*. 2014 Oct 1;10(10):1801-13. PMID: 25126734.

Wang H, Jia XZ, Sui CJ, et al. Effects of thapsigargin on the proliferation and survival of human rheumatoid arthritis synovial cells. *ScientificWorldJournal*. 2014 Feb 9;2014:605416. PMID: 24688409.

Rogers TB, Inesi G, Wade R, et al. Use of thapsigargin to study Ca²⁺ homeostasis in cardiac cells. *Biosci Rep*. 1995 Oct;15(5):341-9. PMID: 8825036.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.