

Thapsigargin, SERCA inhibitor

Catalog	Unit
TBI2105 - 1MG	1 mg
TBI2105 - 5MG	5 mg

Product Details

Formal Name: Isolated from *Thapsia garganica*

Molecular Formula: C₃₄H₅₀O₁₂

Formula Weight: 650.77

CAS Number: 67526-95-8

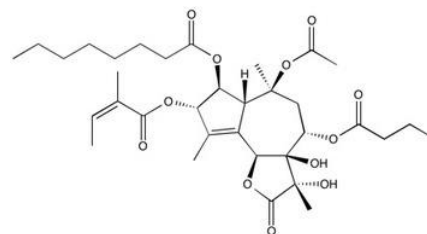
Purity: >98%

Formulation: Wax

Solubility: Soluble in DMSO (up to 65 mg/ml) or in Ethanol (up to 20 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

SERCA inhibitor

Functions

Thapsigargin (67526-95-8) is a potent inhibitor of sarco-endoplasmic reticulum Ca²⁺-ATPase. (IC₅₀ = 30 nM) Induces endoplasmic reticulum stress and autophagy in a variety of cell lines. Warning: Thapsigargin is highly irritating to skin and mucus membranes.

Application Procedures

First dissolved in DMSO (up to 65 mg/ml) or in ethanol (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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