

PRODUCT: Solamargine

ALTERNATE NAME: Solasodine-L-rhamnosido-D-glucoside (3b,22a,25R)-Spirosol-5-en-3-yl O-6-deoxy-a-L-mannopyranosyl-(1→2)-O-[6-deoxy-a-L-mannopyranosyl-(1→4)]-b-D-glucopyranoside

CATALOG #: B1586-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₄₅H₇₃NO₁₅

MOLECULAR WEIGHT: 868.07

CAS NUMBER: 20311-51-7

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO

PURITY: ≥95%

STORAGE: Store at -20 °C. Protect from air light

DESCRIPTION: Solamargine is a major steroidal alkaloid glycoside extracted from a traditional Chinese medicinal herb, *Solanum nigrum* L. (SNL). It has been shown to inhibit growth and induce apoptosis of various cancer cells. Solamargine triggers cellular necrosis selectively in different types of human melanoma cancer cells through extrinsic mitochondrial death pathway.

REFERENCES: Al Sinani, S.S., *et al.* (2016). *Cancer Cell Int.* Feb 17;16:11. doi: 10.1186/s12935-016-0287-4. eCollection 2016.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Betulinic Acid (**Cat. No. 1552-25**)
 Bexarotene (**Cat. No. 1575-5, 50**)
 Capecitabine (Cat. No. 1741-100, 1000)
 Carboplatin (**Cat. No. 1553-100**)
 Cisplatin (**Cat. No. 1550-100,1000**)
 Colchicine (**Cat. No. 1519-1000**)
 Daunorubicin.HCl (**1524-10,50,500**)
 Docetaxel (**Cat. No. 2232-10, 50**)
 Doxorubicin HCl (**Cat. No. 1527-5**)
 (-)-Epigallocatechin gallate (**Cat. No. 1841-50**)
 Epothilone B (**Cat. No. 2012-1, 5**)
 Fludarabine Phosphate (**Cat. No. 1763-10, 50**)
 Gemcitabine Hydrochloride (**Cat. No. 1759-25, 100**)
 Genistein (**Cat. No. 1533-10**)
 Ilimaquinone (**Cat. No. 2038-100**)
 Nedaplatin (**Cat. No. 1576-5**)
 Nocodazole (**Cat. No. 2185-10, 50**)
 Oxaliplatin (**Cat. No. 1577-25**)
 Piperlongumine (**Cat. No. 1919-10, 50**)
 Paclitaxel (**Cat. No. 1567-25**)
 Solamargine (**Cat. No. B1586-5,25**)
 Tamoxifen Citrate (**Cat. No. 1551-1000**)
 Vinorelbine Tartrate (**Cat. No. 1957-5, 25**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**