



# LKT Laboratories, Inc.

## Pseudoprotodioscin

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### Product Information

Product ID P7218

CAS No. 102115-79-7

Chemical Name

Synonym

Formula  $C_{51}H_{82}O_{21}$

Formula Wt. 1031.18

Melting Point

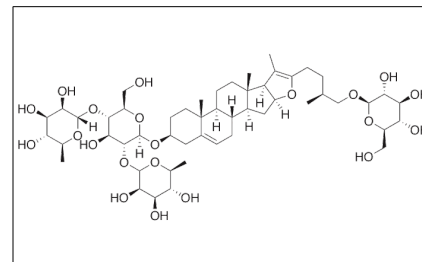
Purity  $\geq 98\%$

Solubility

Store Temp 4°C

Ship Temp Ambient

**Description** Pseudoprotodioscin is a steroidal saponin originally found in species of *Tribulus*, *Trigonella*, and *Smilax*. Pseudoprotodioscin exhibits anti-inflammatory and anticancer activities. This compound inhibits melanogenesis in melanoma cells and inhibits production of inflammatory cytokines such as TNF- $\alpha$  in THP-1 cells. Pseudoprotodioscin displays mild cytotoxicity across several cancer cell lines.



**Bulk quantities available upon request**

| Product ID | Size |
|------------|------|
|------------|------|

|       |      |
|-------|------|
| P7218 | 5 mg |
|-------|------|

|       |       |
|-------|-------|
| P7218 | 25 mg |
|-------|-------|

|       |        |
|-------|--------|
| P7218 | 100 mg |
|-------|--------|

**References** Kawabata T, Cui MY, Hasegawa T, et al. Anti-inflammatory and anti-melanogenic steroidal saponin glycosides from Fenugreek (*Trigonella foenum-graecum* L.) seeds. *Planta Med.* 2011 May;77(7):705-10. PMID: 20979021.

Dinchev D, Janda B, Evstatieva L, et al. Distribution of steroidal saponins in *Tribulus terrestris* from different geographical regions. *Phytochemistry.* 2008 Jan;69(1):176-86. PMID: 17719068.

Dong M, Feng XZ, Wu LJ, et al. Two new steroidal saponins from the rhizomes of *Dioscorea panthaica* and their cytotoxic activity. *Planta Med.* 2001 Dec;67(9):853-7. PMID: 11745024.

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