



LKT Laboratories, Inc.

Amygdalin

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Product Information

Product ID A5193

CAS No. 29883-15-6

Chemical Name [(6-O-B-D-glucopyranosyl-beta-D-glucopyranosyl-B-D-glucopyranosyl)oxy]-benzeneacetonitrile

Synonym Amygdaloside

Formula C₂₀H₂₇NO₁₁

Formula Wt. 457.43

Melting Point 210°C-215°C

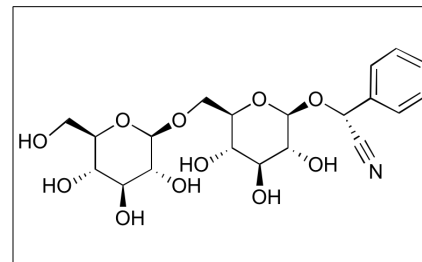
Purity ≥98%

Solubility Soluble in hot water (0.1g/mL) or alcohol (1g/900mL).

Store Temp Ambient

Ship Temp Ambient

Description Amygdalin is a glucoside found in stone fruits and apples that exhibits antinociceptive, analgesic, and anticancer chemotherapeutic activities. In animal models, amygdalin decreases formalin-induced pain. Amygdalin inhibits viability of leukemia cells and induces apoptosis in prostate cancer cells, increasing levels of Bax and decreasing levels of Bcl-2; in vivo, amygdalin induces apoptosis and inhibits tumor xenograft growth. TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A5193	1 g	\$46.30
A5193	5 g	\$69.50
A5193	25 g	\$277.90

References Chen Y, Ma J, Wang F, et al. Amygdalin induces apoptosis in human cervical cancer cell line HeLa cells. Immunopharmacol Immunotoxicol. 2013 Feb;35(1):43-51. PMID: 23137229.

Hwang HJ, Kim P, Kim CJ, et al. Antinociceptive effect of amygdalin isolated from Prunus armeniaca on formalin-induced pain in rats. Biol Pharm Bull. 2008 Aug;31(8):1559-64. PMID: 18670089.

Chang HK, Shin MS, Yang HY, et al. Amygdalin induces apoptosis through regulation of Bax and Bcl-2 expressions in human DU145 and LNCaP prostate cancer cells. Biol Pharm Bull. 2006 Aug;29(8):1597-602. PMID: 16880611.

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