



LKT Laboratories, Inc.

Arbutin

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Product Information

Product ID A6804
CAS No. 497-76-7
Chemical Name 4-Hydroxyphenyl-β-D-glucopyranoside

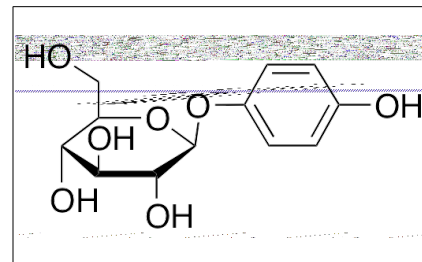
Synonym Hydroquinone glucose, Arbutoside, Ursin

Formula $C_{12}H_{16}O_7$
Formula Wt. 272.25
Melting Point 199-200°C
Purity ≥98%
Solubility Soluble in water (55mg/mL), DMSO (55mg/mL) and alcohol.

Store Temp Ambient

Ship Temp Ambient

Description Arbutin is a glycoside hydroquinone originally found in *Bergenia* and *Arctostaphylos* that inhibits tyrosinase. Arbutin decreases melanin production and is commercially used in skin-lightening products. Arbutin also inhibits phospholipase A2 (PLA2).



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A6804	5 g	\$92.00
A6804	10 g	\$153.10
A6804	25 g	\$306.20

References Inoue Y, Hasegawa S, Yamada T, et al. Analysis of the effects of hydroquinone and arbutin on the differentiation of melanocytes. *Biol Pharm Bull.* 2013;36(11):1722-30. PMID: 24189417.

Lim YJ, Lee EH, Kang TH, et al. Inhibitory effects of arbutin on melanin biosynthesis of alpha-melanocyte stimulating hormone-induced hyperpigmentation in cultured brownish guinea pig skin tissues. *Arch Pharm Res.* 2009 Mar;32(3):367-73. PMID: 19387580.

Oliver AE, Crowe LM, de Araujo PS, et al. Arbutin inhibits PLA2 in partially hydrated model systems. *Biochim Biophys Acta.* 1996 Jul 12;1302(1):69-78. PMID: 8695657.

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