



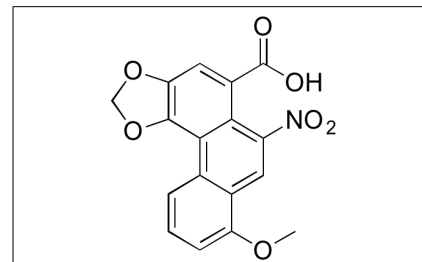
LKT Laboratories, Inc.

Aristolochic Acid A

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Product Information

Product ID A6932
CAS No. 313-67-7
Chemical Name 8-Methoxy-3,4-methylenedioxy-10-nitrophenanthrene-1-carboxylic acid
Synonym Aristolochic acid, Aristolochin Birthwort, Tardolyt
Formula $C_{17}H_{11}NO_7$
Formula Wt. 341.27
Melting Point 281-286°C(dec.)
Purity ≥95%
Solubility Soluble in DMSO or ethanol.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A6932	1 mg	\$122.70
A6932	5 mg	\$510.50

Store Temp -20°C

Ship Temp Ambient

Description Aristolochic acid A is a carcinogenic compound found in *Aristolochia* and *Radix* that has commonly been used in traditional Chinese medicine. This compound inhibits phospholipase A2 (PLA2) and decreases GABA-induced release of arachidonic acid and phosphatidylcholine as well as exocytosis in vitro.

References Chen WY, Ni Y, Pan YM, et al. GABA, progesterone and zona pellucida activation of PLA2 and regulation by MEK-ERK1/2 during acrosomal exocytosis in guinea pig spermatozoa. *FEBS Lett.* 2005 Aug 29;579(21):4692-700. PMID: 16098515.

Stiborová M, Frei E, Sopko B, et al. Human cytosolic enzymes involved in the metabolic activation of carcinogenic aristolochic acid: evidence for reductive activation by human NAD(P)H:quinone oxidoreductase. *Carcinogenesis.* 2003 Oct;24(10):1695-703. PMID: 12869422.

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