



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 C₁₇H₁₁NO₇

Formula Wt. 341.27

Melting Point 281-286°C(dec.)

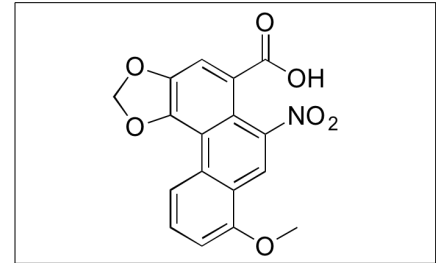
Purity ≥95%

Solubility Soluble in DMSO or ethanol.

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.



Bulk quantities available upon request

Product ID	Size
A6932	1 mg
A6932	5 mg
A6932	25 mg
A6932	100 mg

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.