

Product Data Sheet

Product Name: Aristolochic acid B

Cat. No.: GC35389

Chemical Properties

Cas. No. 475-80-9

SMILES O=C(C1=C2C([N+](=[O-])=O)=CC3=CC=CC=C3C2=C(OCO4)C4=C1)O

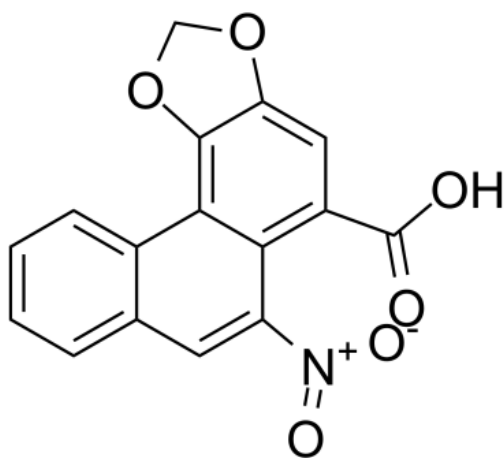
Formula $C_{16}H_9NO_6$ M.Wt 311.25

Solubility DMSO: 25 mg/ml, Ethanol: Soluble, Water: Slightly Soluble
Storage 4°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Aristolochic acid B is one of the major components of Aristolochic acids (AA) which are natural products derived from taxa in the Aristolochiaceae. Aristolochic acid is known to be a potent mutagen and carcinogen. Aristolochic acid B shows more carcinogenic risk than Aristolochic acid A in vivo [1].

[1]. Xing G, et al. Comparison of the mutagenicity of aristolochic acid I and aristolochic acid II in the gpt delta transgenic mouse kidney. Mutat Res. 2012 Mar 18;743(1-2):52-8.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA