

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

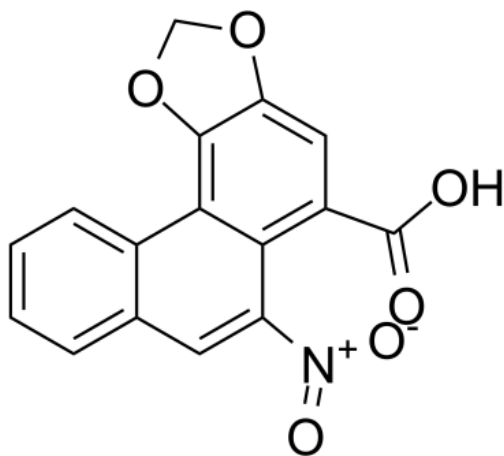
Formula $C_{16}H_9NO_6$ M.Wt 311.25

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

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.

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