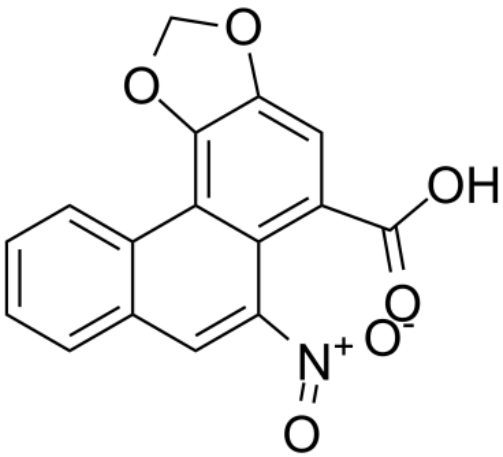
Product Data Sheet

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 showes 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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