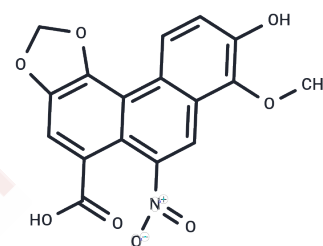


7-Hydroxyaristolochic acid A

Chemical Properties

CAS No. :	79185-75-4
Formula:	C17H11NO8
Molecular Weight:	357.27
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	7-Hydroxyaristolochic acid A is a natural derivative of aristolochic acid. Aristolochic acid is nephrotoxic and carcinogenic, inhibits APE1/Nrf2/HO-1 axis-induced oxidative stress and apoptosis leading to nephrotoxicity, and induces apoptosis in NRK-52E cells via COX-2 and PGE2.
Targets(IC50)	DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 80 mg/mL (223.92 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---------------------------------------------------------------------------------------------------------------------------

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.799 mL	13.995 mL	27.990 mL
5 mM	0.5598 mL	2.799 mL	5.598 mL
10 mM	0.2799 mL	1.3995 mL	2.799 mL
50 mM	0.056 mL	0.2799 mL	0.5598 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Feng Wei, et al. Analysis of aristolochic acids and analogues in medicinal plants and their commercial products by HPLC-PAD-ESI/MS. *Phytochem Anal.* May-Jun 2005;16(3):222-30.
M R Rossiello, et al. Induction of hepatic nodules in the rat by aristolochic acid. *Cancer Lett*

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481