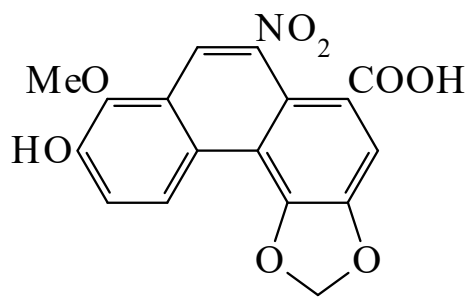




>>Entry Name: 7-Hydroxy-8-methoxy-3,4-methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid

Synonym(s): 9-Hydroxy-8-methoxy-6-nitrophenanthro[3,4-*d*]-1,3-dioxole-5-carboxylic acid, 9Cl. 7-Hydroxyaristolochic acid A. Aristolochic acid VIIa



CAS Registry Number: 79185-75-4

Molecular Formula: C₁₇H₁₁NO₈

Molecular Weight: 357.276

Accurate Mass: 357.048469

Percentage Composition: C 57.15%; H 3.10%; N 3.92%; O 35.83%

Biological Source: Alkaloid from *Aristolochia debilis*. Also an active principle of Tong Cheng Hu Geng (roots of *Aristolochia tagala*) (Aristolochiaceae)

Physical Description: Orange powder (CHCl₃/MeOH)

Melting Point: Mp 267-269°

UV: [neutral] λ_{max} 226 (); 265 (); 313 (); 371 () (MeOH)

>>Derivative: Me ether

References:

Chen, Z.-L. *et al.*, *Huaxue Xuebao*, 1981, **39**, 237; *CA*, **95**, 156428t, (*isol, struct*)

Ding, L. *et al.*, *Zhongcaoyao*, 1981, **12**, 436; *CA*, **96**, 214267y, (*isol*)

Leu, Y.-L. *et al.*, *Phytochemistry*, 1998, **48**, 743-745, (*isol, uv, pmr, ms*)