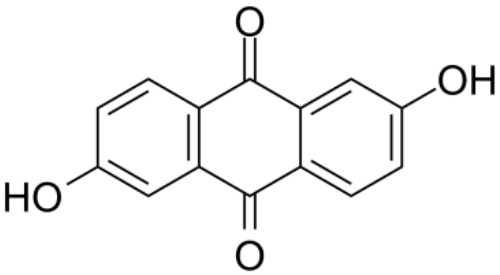
Product Data Sheet

Product Name: Anthraflavic acid
Cat. No.: GC35359

Chemical Properties

Cas. No.	84-60-6		
SMILES	O=C1C2=C(C=C(O)C=C2)C(C3=CC=C(O)C=C13)=O		
Formula	$C_{14}H_8O_4$	M.Wt	240.21
Solubility	Soluble in DMSO	Storage	Store at -20°C
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

Anthraflavic acid, a flavonoid, is a potent IQ mutagenicity inhibitor by virtue of its ability to inhibit both its microsomal and cytosolic activation pathways. Anthraflavic acid is a potent and specific cytochrome P-448 inhibitor activity an enzyme system closely associated with the activation of many chemical carcinogens[1].

[1]. Ayrton AD, et al. Anthraflavic acid inhibits the mutagenicity of the food mutagen IQ: mechanism of action. Mutat Res. 1988 Mar-Apr;207(3-4):121-5.

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