

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

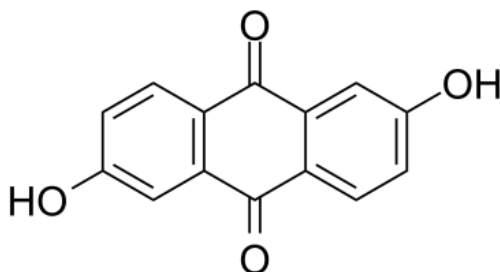
Formula $C_{14}H_8O_4$ M.Wt 240.21

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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