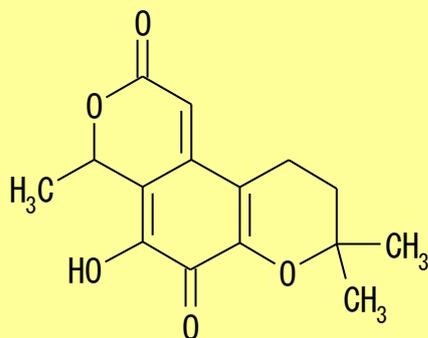


Fuscin

Cat.# BLK0760

Structure



Fuscin

Origin:

CAS Registry Number: 83-85-2

CA Index Name: 9,10-Dihydro-5-hydroxy-4,8,8-trimethyl-2H,4H-benzo[1,2-b:4,3-c']dipyrans-2,6(8H)-dione

Appearance: Brown solid

Molecular Formula/ Weight: C₁₅H₁₆O₅=276.29

Melting Point: 220-222°C Purity:>99.0 by HPLC

Solubility: Soluble in DMSO Insoluble in water

pKa:

log P:

Background Information:

Fuscin is known to compete effectively with macrophage inflammatory protein -1alpha for binding to human CCR5, an important anti HIV target that interferes with HIV entry into cells. In addition, It shows inhibit respiration and oxidative phosphorylation in ox-neck muscle mitochondria.

Handling and Storage:

Store at -20°C.

References:

1. J Nat Prod. 2003 Aug;66(8):1116-1118.
2. Biochim Biophys Acta. 1973 Dec 14;325(3):357-74.
3. Biochim Biophys Acta. 1972 Jul 12;275(1):1-9.

Manufactured with Cortesy strain from The Kitasato Institute.