
Product Data Sheet

Product Name: Ankaflavin

Cat. No.: GC35358

Chemical Properties

Cas. No. 50980-32-0

SMILES O=C([C@@H]1C(CCCCCC)=O)O[C@]2(C)[C@]1([H])CC(C=C/C=C/C)OC3=C3C2=OFormula C₂₃H₃₀O₅ M.Wt 386.48

Solubility Soluble in DMSO Storage 4°C, protect from light

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**

Ankaflavin, isolated from Monascus-Fermented red rice, is a PPAR γ agonist with anti-inflammatory activity. Ankaflavin exhibits selective cytotoxic effect and induces cell death on cancer cells[1][2]. PPAR γ [2].

[1]. Su NW, et al. Ankaflavin from Monascus-fermented red rice exhibits selective cytotoxic effect and induces cell death on Hep G2 cells. J Agric Food Chem. 2005 Mar 23;53(6):1949-54. [2]. Lee BH, et al. Ankaflavin: a natural novel PPAR γ agonist upregulates Nrf2 to attenuate methylglyoxal-induced diabetes in vivo. Free Radic Biol Med. 2012 Dec 1;53(11):2008-16.

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

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