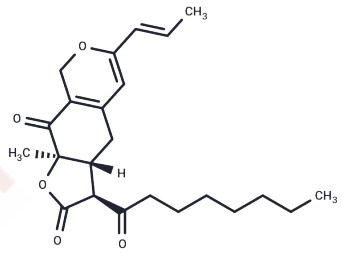
# Data Sheet (Cat.No.T10327)

TargetMol

## Ankaflavin

### Chemical Properties



CAS No. : 50980-32-0

Formula: C23H30O5

Molecular Weight: 386.48

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

### Biological Description

| | |
|---|---|
| Description | Ankaflavin is isolated from Monascus-Fermented red rice and is a PPARγ agonist with anti-inflammatory activity. It shows the selective cytotoxic effect and induces cell death on cancer cells. |
| Targets(IC50) | Apoptosis,PPAR |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.5875 mL | 12.9373 mL | 25.8746 mL |
| 5 mM | 0.5175 mL | 2.5875 mL | 5.1749 mL |
| 10 mM | 0.2587 mL | 1.2937 mL | 2.5875 mL |
| 50 mM | 0.0517 mL | 0.2587 mL | 0.5175 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.
Lee BH, et al. Ankaflavin: a natural novel PPARγ agonist upregulates Nrf2 to attenuate methylglyoxal-induced diabetes in vivo. Free Radic Biol Med. 2012 Dec 1;53(11):2008-16.



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