Monascin

Cat. No.: HY-N6641
CAS No.: 21516-68-7
Molecular Formula: C₂₁H₂₆O₅
Molecular Weight: 358.43
Target: Others
Pathway: Others
Storage: Powder -20°C 3 years
        4°C    2 years
        In solvent -80°C 6 months
                 -20°C 1 month

BIOLOGICAL ACTIVITY

Description
Monascin is a kind of azaphilonoid pigments extracted from Monascus pilosus-fermented rice (red-mold rice). Monascin also exhibits anti-tumor-initiating activity and anti-inflammatory activity with oral administration. Monascin inhibits the activation of NOR 1 (an NO donor)[1][2].

In Vivo
Monascin (0.0025% in drinking water; mice) appears effective for the inhibition of UVB-initiated carcinogenesis on mouse skin[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model: SENCAR mouse using a UVB irradiation as an initiator and TPA as a promoter[1].
Dosage: 0.0025% in drinking water.
Administration: Orally daily for 2 weeks in drinking water.
Result: Reduced the number of the papillomas.

REFERENCES