
Product Data Sheet

Product Name: Bixin
Cat. No.: GC35529

Chemical Properties

Cas. No. 6983-79-5

SMILES OC(/C=C/C(C)=C/C=C/C(C)=C/C=C/C=C(C)/C=C/C=C(C)\C=C\C(OC)=O)=O

Formula C₂₅H₃₀O₄

M.Wt 394.5

Solubility DMSO : 7.14 mg/mL (18.10 mM; Need ultrasonic)

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

Bixin (BX), isolated from the seeds of *Bixa orellana*, is a carotenoid, possessing anti-inflammatory, anti-tumor and anti-oxidant activities. Bixin treatment ameliorated cardiac dysfunction through inhibiting fibrosis, inflammation and reactive oxygen species (ROS) generation[1].

[1]. Xu Z, et al. Bixin ameliorates high fat diet-induced cardiac injury in mice through inflammation and oxidative stress suppression. *Biomed Pharmacother.* 2017 May;89:991-1004.

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

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