

Griffipavixanthone Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Griffipavixanthone

Catalog No.: CFN98089

Cas No.: 219649-95-3

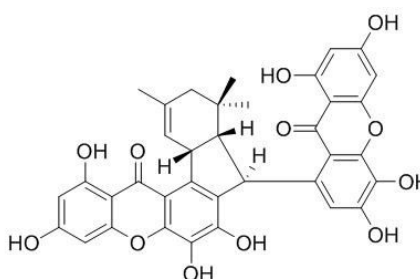
Purity: > 95%

M.F: C₃₆H₂₈O₁₂

M.W: 652.6

Physical Description: Yellow powder

Synonyms: Indeno[1,2-a]xanthen-13(8H)-one, 8a,9,10,12a-tetrahydro-1,3,6,7-tetrahydroxy-9,9,11-trimethyl-8-(3,4,6,8-tetrahydroxy-9-oxo-9H-xanthen-1-yl)-, (8R,8aR,12aS)-rel-(+)-



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The fruits of *Garcinia oblongifolia* Champ.

[Biological Activity or Inhibitors]

Griffipavixanthone, a dimeric xanthone extracted from edible plants, can inhibit tumor metastasis and proliferation via downregulation of the RAF pathway in esophageal cancer.^[1]

Griffipavixanthone inhibits the growth of human Non-small-cell lung cancer H520 cells in dose- and time-dependent manners, with IC₅₀ values of 3.03 \pm 0.21 μ M at 48 h, it induces cell apoptosis through mitochondrial apoptotic pathway accompanying with ROS production; demonstrates that the potential application of griffipavixanthone as an anti-non-small cell lung cancer agent.^[2]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]

Not data available.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Ding Z, Lao Y, Hong Z, *et al. Oncotarget*, 2015, 7(2):1826-37.

[2] Shi J M, Huang H J, Qiu S X, *et al. Molecules*, 2014, 19(2):1422-31.

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