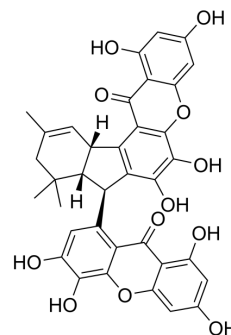


## Griffipavixanthone

Cat. No.:	HY-N3974
CAS No.:	219649-95-3
Molecular Formula:	C <sub>36</sub> H <sub>28</sub> O <sub>12</sub>
Molecular Weight:	652.6
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Griffipavixanthone can be extracted from *Garcinia schomburgkiana*. Griffipavixanthone induces cell apoptosis through mitochondrial apoptotic pathway accompanying with ROS production. Griffipavixanthone is an anti-cancer agent. Griffipavixanthone is a weak sucrase inhibitor (IC<sub>50</sub>: 4.58 mM)<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Lien Do TM, et al. Schomburgkixanthone, a novel bixanthone from the twigs of *Garcinia schomburgkiana*. *Nat Prod Res.* 2021 Nov;35(21):3613-3618.
- [2]. Shi JM, et al. Griffipavixanthone from *Garcinia oblongifolia* champ induces cell apoptosis in human non-small-cell lung cancer H520 cells in vitro. *Molecules.* 2014 Jan 27;19(2):1422-31.
- [3]. Ma Y, et al. Griffipavixanthone induces apoptosis of human breast cancer MCF-7 cells in vitro. *Breast Cancer.* 2019 Mar;26(2):190-197.

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

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