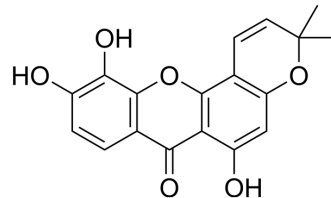


Isojacareubin

Cat. No.:	HY-N8306
CAS No.:	50597-93-8
Molecular Formula:	C ₁₈ H ₁₄ O ₆
Molecular Weight:	326.3
Target:	Bacterial; PKC; Apoptosis; SARS-CoV
Pathway:	Anti-infection; Epigenetics; TGF-beta/Smad; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Isojacareubin can be isolated from *Hypericum japonicum*. Isojacareubin covalently inhibits SARS-CoV-2 3CLpro. Isojacareubin also has anti-helicobacter activity. Isojacareubin inhibits PKC, and suppresses hepatocellular carcinoma metastasis and induces apoptosis^{[1][2][3]}.

REFERENCES

- [1]. Kyoko Ishiguro, et al. An isopentenylated flavonol from *Hypericum japonicum*. *Phytochemistry*. 1993. 32 (6), 1583-1585.
- [2]. Khan A, et al. Discovery of Isojacareubin as a covalent inhibitor of SARS-CoV-2 main protease using structural and experimental approaches. *J Med Virol*. 2023 Feb;95(2):e28542.
- [3]. Yuan X, et al. Inhibition of protein kinase C by isojacareubin suppresses hepatocellular carcinoma metastasis and induces apoptosis in vitro and in vivo. *Sci Rep*. 2015 Aug 6;5:12889.

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

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