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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
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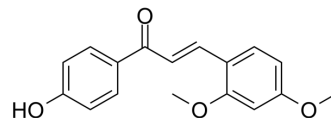
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4'-Hydroxy-2,4-dimethoxychalcone

Cat. No.:	HY-N7516
CAS No.:	151135-64-7
Molecular Formula:	C ₁₇ H ₁₆ O ₄
Molecular Weight:	284.31
Target:	Parasite; Bacterial; Fungal
Pathway:	Anti-infection
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	4'-Hydroxy-2,4-dimethoxychalcone is a natural chalcone derivatives in the red herbal resin of <i>Dracaena cochinchinensis</i> . 4'-Hydroxy-2,4-dimethoxychalcone displays a wide range of biological activities including antimalarial, antiprotozoal, antibacterial, antifungal activity ^{[1][2]} .
In Vitro	4'-Hydroxy-2,4-dimethoxychalcone (compound 2) is against <i>P. falciparum</i> D6 (IC ₅₀ =4.2 μM) and W2 (IC ₅₀ =4.8 μM) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	4'-Hydroxy-2,4-dimethoxychalcone (compound 2; oral; 160 mg/kg) has a T _{1/2} of 1.94 hours, a C _{max} of 158 ng/mL and an AUC of 384 ng•h/mL in four- to five-week-old ICR mice ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Clare E Gutteridge, et al. In vitro biotransformation, in vivo efficacy and pharmacokinetics of antimalarial chalcones. *Pharmacology*. 2011;87(1-2):96-104.

[2]. Qing-An Zheng, et al. Flavonoids from the Resin of *Dracaena cochinchinensis*. *Helvetica Chimica Acta*, 87(5), 1167–1171.

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

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