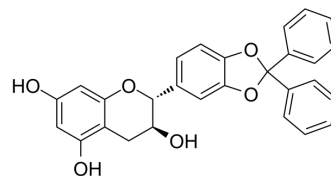


## Bencianol

Cat. No.:	HY-101573
CAS No.:	85443-48-7
Molecular Formula:	C <sub>28</sub> H <sub>22</sub> O <sub>6</sub>
Molecular Weight:	454.47
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Bencianol is a the semisynthetic flavinoid, with anti-spasmogenic activities.
<b>In Vitro</b>	Bencianol causes a dose-related (1-100 µg/mL) reversal of contractions induced by 5-hydroxytryptamine, nor-adrenaline, angiotensin II, prostaglandin F <sub>2a</sub> , and U-46619 (a thromboxane-A <sub>2</sub> mimetic). Bencianol is more effective against contractions induced by EC <sub>50</sub> compared to maximal concentrations of each agent, and is least effective against the thromboxane-A <sub>2</sub> mimetic, U-46619 <sup>[1]</sup> . Bencianol (0.1-100 nM) produces cytoprotective effects against CCl <sub>4</sub> induced cell injury on the above three parameters <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Whalley ET, et al. Anti-spasmogenic effects of bencianol (ZY15051) on human cerebral arteries in vitro. Cephalalgia. 1985 Dec;5(4):217-21.
- [2]. Maignan MF, et al. Cytoprotective effects of Bencianol on porcine vascular endothelial cells in vitro. J Submicrosc Cytol. 1986 Jan;18(1):47-51.

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

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