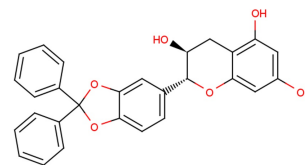


## Bencianol

## Chemical Properties

CAS No.:	85443-48-7
Formula:	C <sub>28</sub> H <sub>22</sub> O <sub>6</sub>
Molecular Weight:	454.47
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Bencianol is a semisynthetic flavonoid with anti-spasmogenic activities.
Targets(IC <sub>50</sub> )	Others: None
In vitro	Bencianol causes a dose-related (1-100 µg/mL) reversal of contractions induced by nor-adrenaline, 5-hydroxytryptamine, 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 [1]. Bencianol (0.1-100 nM) produces cytoprotective effects against CCl <sub>4</sub> induced cell injury [2].

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2 mL	11.002 mL	22.004 mL
5 mM	0.44 mL	2.2 mL	4.401 mL
10 mM	0.22 mL	1.1 mL	2.2 mL
50 mM	0.044 mL	0.22 mL	0.44 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

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.

Inhibitors · Natural Compounds · Compound Libraries

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