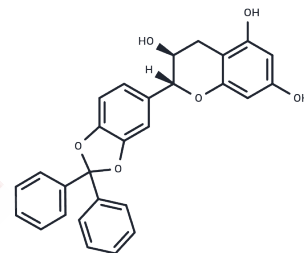


## Bencianol

## Chemical Properties

CAS No. :	85443-48-7
Formula:	C <sub>28</sub> H <sub>22</sub> O <sub>6</sub>
Molecular Weight:	454.47
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Bencianol is a semisynthetic flavonoid with anti-spasmogenic activities.
Targets(IC50)	Others
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) [1]. It is more effective against EC <sub>50</sub> -induced contractions compared to maximal concentrations of each agent and is least effective against U-46619. Additionally, Bencianol (0.1-100 nM) exhibits cytoprotective effects against CCl <sub>4</sub> -induced cell injury [2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2004 mL	11.0018 mL	22.0037 mL
5 mM	0.4401 mL	2.2004 mL	4.4007 mL
10 mM	0.220 mL	1.1002 mL	2.2004 mL
50 mM	0.044 mL	0.220 mL	0.4401 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Whalley ET, et al. Anti-spasmogenic effects of bencianol (ZY15051) on human cerebral arteries in vitro. Cephalgia. 1985 Dec;5(4):217-21.

Maignan MF, et al. Cytoprotective effects of Bencianol on porcine vascular endothelial cells in vitro. J Submicrosc Cytol. 1986 Jan;18(1):47-51.

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