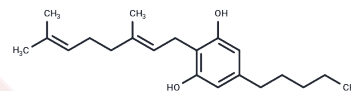


## Cannabigerol

## Chemical Properties

CAS No. :	25654-31-3
Formula:	C <sub>21</sub> H <sub>32</sub> O <sub>2</sub>
Molecular Weight:	316.48
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	Cannabigerol is a high affinity $\alpha$ 2-adrenergic receptor agonist, moderate affinity 5-HT <sub>1A</sub> receptor antagonist, and low affinity CB <sub>1</sub> receptor antagonist ; also binds to the CB <sub>2</sub> receptor; it can relieve interocular pressure, which may be of benefit in the treatment of glaucoma.
Targets(IC <sub>50</sub> )	NOS,5-HT Receptor,ROS

## Solubility Information

Solubility	DMSO: 65 mg/mL (205.38 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1598 mL	15.7988 mL	31.5976 mL
5 mM	0.632 mL	3.1598 mL	6.3195 mL
10 mM	0.316 mL	1.5799 mL	3.1598 mL
50 mM	0.0632 mL	0.316 mL	0.632 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

Sztolsztener K, Konstantynowicz-Nowicka K, Pędzińska-Betiuk A, et al. Concentration-Dependent Attenuation of Pro-Fibrotic Responses after Cannabigerol Exposure in Primary Rat Hepatocytes Cultured in Palmitate and Fructose Media. *Cells*.2023, 12(18): 2243.

Sztolsztener K, Harasim-Symbor E, Chabowski A, et al. Cannabigerol as an anti-inflammatory agent altering the level of arachidonic acid derivatives in the colon tissue of rats subjected to a high-fat high-sucrose diet. *Biomedicine & Pharmacotherapy*.2024, 178: 117286.

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