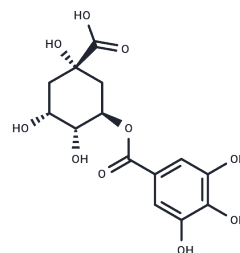


## Theogallin

## Chemical Properties

CAS No. :	17365-11-6
Formula:	C <sub>14</sub> H <sub>16</sub> O <sub>10</sub>
Molecular Weight:	344.27
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	Theogallin is an active ingredient in decaffeinated green tea extract, has cognition enhancing effect and antidepressive.
Targets(IC50)	Others
In vivo	Theogallin exhibits a power decreasing effect on cortical activity.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9047 mL	14.5235 mL	29.047 mL
5 mM	0.5809 mL	2.9047 mL	5.8094 mL
10 mM	0.2905 mL	1.4523 mL	2.9047 mL
50 mM	0.0581 mL	0.2905 mL	0.5809 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

Dimpfel W, et al. Theogallin and L-theanine as active ingredients in decaffeinated green tea extract: II. Characterization in the freely moving rat by means of quantitative field potential analysis. J Pharm Pharmacol. 2007 Oct;59(10):1397-403.

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