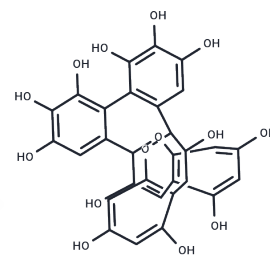


## Theasinensin C

## Chemical Properties

CAS No. :	89013-69-4
Formula:	C <sub>30</sub> H <sub>26</sub> O <sub>14</sub>
Molecular Weight:	610.52
Storage:	Store at low temperature
	Store at -20°C

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Theasinensin C is a compound extracted from black tea water with an IC <sub>50</sub> value of 40.21 μM for renin activity.
Targets(IC <sub>50</sub> )	RAAS
In vitro	Theasinensin C has the highest ability against lipid oxidation inhibition. [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6379 mL	8.1897 mL	16.3795 mL
5 mM	0.3276 mL	1.6379 mL	3.2759 mL
10 mM	0.1638 mL	0.819 mL	1.6379 mL
50 mM	0.0328 mL	0.1638 mL	0.3276 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

Chemistry and health beneficial effects of oolong tea and theasinensins. Food Science and Human Wellness 4. 4 (2015):133-146.

Zhang J, et al. Cui H, Xue J, Wang W, Wang W, Le T, Chen L, Engelhardt UH, Jiang H. Adsorption Equilibrium and Thermodynamics of Tea Theasinensins on HP20-A High-Efficiency Macroporous Adsorption Resin. Foods. 2021 Dec 2;10(12):2971.

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