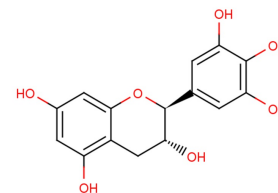


## Data Sheet (Cat.No.T3828)

(-)-Gallocatechin

### Chemical Properties

CAS No.:	3371-27-5
Formula:	C <sub>15</sub> H <sub>14</sub> O <sub>7</sub>
Molecular Weight:	306.27
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



### Biological Description

Description	(-)-Gallocatechin has free radical scavenging ability and moderate affinity to the human cannabinoid receptor.
Targets(IC <sub>50</sub> )	Others: None

### Solubility Information

Solubility	DMSO: 10 mM (< 1 mg/ml refers to the product slightly soluble or insoluble)
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.265 mL	16.325 mL	32.651 mL
5 mM	0.653 mL	3.265 mL	6.53 mL
10 mM	0.327 mL	1.633 mL	3.265 mL
50 mM	0.065 mL	0.327 mL	0.653 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. Takagaki A, et al. Biotransformation of (-)-epigallocatechin and (-)-gallocatechin by intestinal bacteria involved in isoflavone metabolism. *Biol Pharm Bull.* 2015;38(2):325-30.
2. Jang S A, Hwang Y H, Kim T, et al. Anti-Osteoporotic and Anti-Adipogenic Effects of the Water Extract of *Drynaria roosii* Nakaike in Ovariectomized Mice Fed a High-Fat Diet[J]. *Molecules.* 2019, 24(17): 3051.

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