

(-)-Catechin gallate

## Chemical Properties

CAS No.:	130405-40-2
Formula:	C <sub>22</sub> H <sub>18</sub> O <sub>10</sub>
Molecular Weight:	442.37
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## Biological Description

Description	(-)-Catechin Gallate displays inhibition of 6PGD, IDH. (-)-Catechin Gallate displays inhibition of human Beta-secretase. (-)-Catechin Gallate possesses antiplasmodial activity against chloroquine-sensitive Plasmodium falciparum NF54 and chloroquine-resistant Plasmodium falciparum K1.
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## 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	2.261 mL	11.303 mL	22.606 mL
5 mM	0.452 mL	2.261 mL	4.521 mL
10 mM	0.226 mL	1.130 mL	2.261 mL
50 mM	0.045 mL	0.226 mL	0.452 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. Babich H, et al. In vitro cytotoxicity of (-)-catechin gallate, a minor polyphenol in green tea. Toxicol Lett. 2007 Jul 10;171(3):171-80.

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