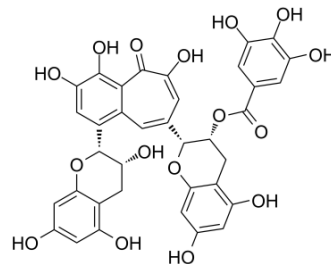


## Theaflavin-3-gallate

Cat. No.:	HY-N0245
CAS No.:	30462-34-1
Molecular Formula:	C <sub>36</sub> H <sub>28</sub> O <sub>16</sub>
Molecular Weight:	716.6
Target:	Others
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### BIOLOGICAL ACTIVITY

#### Description

Theaflavin-3-gallate, a black tea theaflavin monomer, is regarded as the biologically important active component of black tea and provides health benefits. Theaflavin-3-gallate acts as prooxidants and induces oxidative stress in the carcinoma cells. Theaflavin-3-gallate reacts directly with reduced glutathione (GSH) in a time- and concentration-dependent manner<sup>[1]</sup>.

### REFERENCES

[1]. Babich H, et al. Theaflavin-3-gallate and theaflavin-3'-gallate, polyphenols in black tea with prooxidant properties. Basic Clin Pharmacol Toxicol. 2008 Jul;103(1):66-74.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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