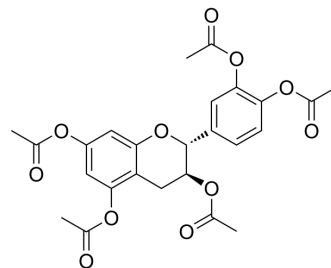


(+)-Catechin pentaacetate

| | |
|--------------------|---|
| Cat. No.: | HY-N3555 |
| CAS No.: | 16198-01-9 |
| Molecular Formula: | C ₂₅ H ₂₄ O ₁₁ |
| Molecular Weight: | 500.45 |
| Target: | COX |
| Pathway: | Immunology/Inflammation |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

(+)-Catechin pentaacetate is a precursor for the production of (+) catechin (HY-N0898). (+) catechin is a useful natural herbicide and antimicrobial. (+)-Catechin inhibits cyclooxygenase-1 (COX-1) with an IC₅₀ of 1.4 μM^{[1][2]}.

REFERENCES

[1]. Veluri R, et al. Phytotoxic and antimicrobial activities of catechin derivatives. *J Agric Food Chem*. 2004 Mar 10;52(5):1077-82.

[2]. Waffo-Téguo P, et al. Potential cancer-chemopreventive activities of wine stilbenoids and flavans extracted from grape (*Vitis vinifera*) cell cultures. *Nutr Cancer*. 2001;40(2):173-9.

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

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