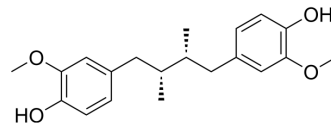


(-)-Dihydroguaiaretic acid

Cat. No.:	HY-N10898
CAS No.:	124649-78-1
Molecular Formula:	C ₂₀ H ₂₆ O ₄
Molecular Weight:	330.42
Target:	Lipoxygenase
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description

(-)-Dihydroguaiaretic acid is a Lipoxygenase inhibitor that has antioxidant activity. (-)-Dihydroguaiaretic acid inhibits the oxidation of unsaturated fatty acids and removes free radicals. (-)-Dihydroguaiaretic acid also has anticancer activity with an IC₅₀ value of 7.49 μM (A549 cells)^{[1][2]}.

REFERENCES

- [1]. Yamauchi S, et al. Antioxidant activity of butane type lignans, secoisolariciresinol, dihydroguaiaretic acid, and 7,7'-oxodihydroguaiaretic acid. Biosci Biotechnol Biochem. 2008 Nov;72(11):2981-6.
- [2]. Davis RA, et al. Isolation, structure elucidation and cytotoxic evaluation of endiandrin B from the Australian rainforest plant Endiandra anthropophagorum[J]. Bioorganic & medicinal chemistry, 2009, 17(3): 1387-1392.

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

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