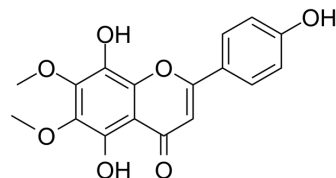


Isothymusin

Cat. No.:	HY-N3451
CAS No.:	98755-25-0
Molecular Formula:	C ₁₇ H ₁₄ O ₇
Molecular Weight:	330.29
Target:	Lipoxygenase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Isothymusin is a potent anti-oxidant agent. Isothymusin shows radical scavenging activities. Isothymusin shows anti-proliferative activities in cancer cell lines. Isothymusin inhibited the enzymes associated with the promotion stage of cancer, including cyclooxygenase-2 and lipoxygenase-5^{[1][2]}.

REFERENCES

- [1]. Kelm MA, et al. Antioxidant and cyclooxygenase inhibitory phenolic compounds from *Ocimum sanctum* Linn. *Phytomedicine*. 2000 Mar;7(1):7-13.
- [2]. Singh S, et al. Isothymusin, a Potential Inhibitor of Cancer Cell Proliferation: An In Silico and In Vitro Investigation. *Curr Top Med Chem*. 2020;20(21):1898-1909.

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

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