Product Data Sheet

Skullcapflavone I

Cat. No.: HY-N1235 CAS No.: 41060-16-6 Molecular Formula: $C_{17}H_{14}O_6$ Molecular Weight: 314.29

Target: Elastase; MicroRNA

Pathway: Metabolic Enzyme/Protease; Epigenetics

Storage: -20°C, protect from light

* In solvent: -80°C, 6 months; -20°C, 1 month (protect from light)

BIOLOGICAL ACTIVITY

Description

Skullcapflavone I can be isolated from A. nallamalayana. Skullcapflavone I inhibits collagenase and elastase enzyme with IC $_{50}$ s of 106.74 μ M and 186.70 μ M. Skullcapflavone I has anticancer activities by down-regulating miR-23a $^{[1]}$.

REFERENCES

[1]. Yang B, et al. Anti-cancer, Anti-collagenase and Anti-elastase Potentials of Some Natural Derivatives: In vitro and in silico Studies. J Oleo Sci. 2023;72(5):557-570.

[2]. Cui J, et al. Skullcapflavone I has a potent anti-pancreatic cancer activity by targeting miR-23a. Biofactors. 2020 Sep;46(5):821-830.

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

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