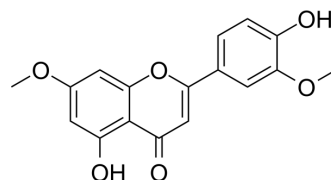


Velutin

Cat. No.:	HY-N1098
CAS No.:	25739-41-7
Molecular Formula:	C ₁₇ H ₁₄ O ₆
Molecular Weight:	314.29
Target:	HIF/HIF Prolyl-Hydroxylase
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (159.09 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.1818 mL	15.9089 mL	31.8177 mL
	5 mM	0.6364 mL	3.1818 mL	6.3635 mL
	10 mM	0.3182 mL	1.5909 mL	3.1818 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Velutin is an aglycone extracted from *Flammulina velutipes*, with inhibitory activity against melanin biosynthesis. Velutin reduces osteoclast differentiation and down-regulates HIF-1 α through the NF- κ B pathway^{[1][2]}.

REFERENCES

- [1]. Jung SH, et al. Velutin, an Aglycone Extracted from Korean Mistletoe, with Improved Inhibitory Activity against Melanin Biosynthesis. *Molecules*. 2019 Jul 12;24(14).
- [2]. Brito C, et al. Cytotoxicity and potential anti-inflammatory activity of velutin on RAW 264.7 cell line differentiation: Implications in periodontal bone loss. *Arch Oral Biol*. 2017 Nov;83:348-356

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

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