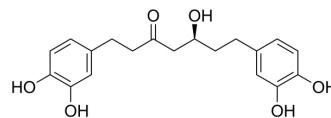


Hirsutanonol

Cat. No.:	HY-N4044
CAS No.:	41137-86-4
Molecular Formula:	C ₁₉ H ₂₂ O ₆
Molecular Weight:	346.37
Target:	COX; Parasite
Pathway:	Immunology/Inflammation; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Hirsutanonol ((5S)-Hirsutanonol) is a diarylheptanoid that can be isolated from the bark of *Alnus hirsuta* var. *sibirica*. Hirsutanonol inhibits cyclooxygenase-2 (COX-2) expression. Hirsutanonol has anti-filarial with an IC₅₀ value of 44.11 µg/mL for microfilariae^[1].

REFERENCES

- [1]. Lee MW, et al. Inhibition of cyclooxygenase-2 expression by diarylheptanoids from the bark of *Alnus hirsuta* var. *sibirica*. *Biol Pharm Bull.* 2000 Apr;23(4):517-8.
- [2]. Yadav D, et al. Antifilarial diarylheptanoids from *Alnus nepalensis* leaves growing in high altitude areas of Uttarakhand, India. *Phytomedicine.* 2013 Jan 15;20(2):124-32.

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

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