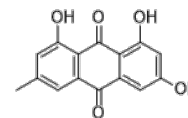


Product Name : Emodin
Cat. No. : PC-24097
CAS No. : 518-82-1
Molecular Formula : C₁₅H₁₀O₅
Molecular Weight : 270.24
Target : 11 β -HSD
Solubility : 10 mM in DMSO



Biological Activity

Emodin (Frangula emodin) is an anthraquinone derivative with anti-SARS-CoV activity, blocks the SARS coronavirus spike protein and ACE2 interaction, also inhibits casein kinase-2 (CK2), also activates Nrf2 and effectively targets PD pathology. Emodin is a potent selective 11 β -HSD1 inhibitor with the IC₅₀ of 186 and 86 nM for human and mouse 11 β -HSD1, respectively.

Emodin ameliorates metabolic disorder in diet-induced obese mice.

Emodin treatment led to a significant upregulation of Nrf2 expression.

References

Ying Feng, et al. Br J Pharmacol. 2010 Sep;161(1):113-26.

Jahan S, et al. Mol Neurobiol. 2025 Feb 20. doi: 10.1007/s12035-025-04762-3.

Tin-Yun Ho, et al. Antiviral Res. 2007 May;74(2):92-101.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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