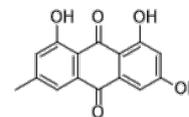


**Product Name** : Emodin  
**Cat. No.** : PC-24097  
**CAS No.** : 518-82-1  
**Molecular Formula** : C<sub>15</sub>H<sub>10</sub>O<sub>5</sub>  
**Molecular Weight** : 270.24  
**Target** : 11β-HSD  
**Solubility** : 10 mM in DMSO



## 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 11β-HSD1 inhibitor with the IC<sub>50</sub> of 186 and 86 nM for human and mouse 11β-HSD1, respectively.

Emodin ameliorates metabolic disorder in diet-induced obese mice.

Emodin treatment led to a significant upregulation of Nrf2 expression.

## References

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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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