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Product Information

Product ID E5057 CAS No. 518-82-1

Chemical Name

Synonym

Formula C₁₅H₁₀O₅ Formula Wt. 270.24 Melting Point 253 Purity ≥95% Solubility

OH OH O O

Bulk quanitites available upon request

Product ID	Size
E5057	100 mg
E5057	250 mg
E5057	1 g

Store Temp Ambient Ship Temp Ambient

Description Emodin is an anthraguinone found in several sources, including the aloe plant, senna leaves, and rhubarb rhizomes. Emodin is most commonly known for its stimulant-laxative action, but also shows antioxidative, anticancer chemotherapeutic, and antiangiogenic activity. This compound activates CFTR Cl- channels in the colon, potentially increasing fluid secretion and resulting in laxative activity. Emodin acts on a number of targets in cellular models of cancer, including p65lck, ERα, NF-κB, and mTORC2. Additionally, emodin induces apoptosis in vivo through disruption of the mitochondria membrane potential.

References Ismail S, Haris K, Abdul Ghani AR, et al. Enhanced induction of cell cycle arrest and apoptosis via the mitochondrial membrane potential disruption in human U87 malignant glioma cells by aloe emodin. J Asian Nat Prod Res. 2013 Jul 22. [Epub ahead of print]. PMID: 23869465.

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Caution: This product is intended for laboratory and research use only. It is not for human or drug use.