



Product Information

Product ID B1769

CAS No. 477-90-7

Chemical Name

Synonym

Formula

Formula Wt. 328.27

Melting Point 237-240°C

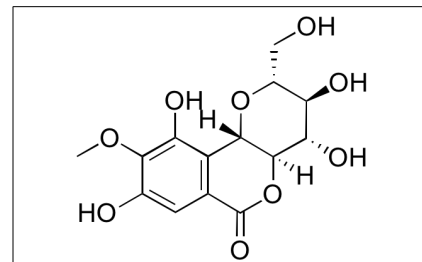
Purity ≥98%

Solubility Slightly soluble in DMSO, methanol. Insoluble in water, ethanol.

Store Temp -20°C

Ship Temp Ambient

Description Bergenin is a trihydroxybenzoic acid glycoside found in *Bergenia* and other plant sources. Bergenin exhibits immunosuppressive, anti-inflammatory, anti-parasitic, antimalarial, analgesic, antinociceptive, antioxidative, anti-diabetic, anti-metastatic, anticancer chemotherapeutic, and chemopreventive activities. In vivo, bergenin downregulates expression of NF-κB and IKKβ, decreases IgG levels, cytokine release, and other immune response mediators, and suppresses development of edema. In vitro and in vivo, bergenin inhibits growth of *Plasmodium*. In other animal models, this compound inhibits mechanical hyperalgesia. In diabetic rats, bergenin decreases levels of blood glucose, total cholesterol, and LDL and increases levels of HDL, superoxide dismutase, and catalase. Additionally, bergenin inhibits tumor development induced by TPA and DMBA.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
B1769	1 mg	\$173.60
B1769	5 mg	\$628.50
B1769	10 mg	\$917.80

References Jain SK, Singh S, Khajuria A, et al. Pyrano-isochromanones as IL-6 Inhibitors: Synthesis, in Vitro and in Vivo Antiarthritic Activity. *J Med Chem*. 2014 Aug 28;57(16):7085-97. PMID: 25111439.

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Kumar R, Patel DK, Prasad SK, et al. Type 2 antidiabetic activity of bergenin from the roots of *Caesalpinia digyna* Rottler. *Fitoterapia*. 2012 Mar;83(2):395-401. PMID: 22178680.

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Wang X, Tang S, Zhai H, et al. Studies on anti-tumor metastatic constituents from *Ardisia Crenata*. *Zhongguo Zhong Yao Za Zhi*. 2011 Apr;36(7):881-5. PMID: 21761727.

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