



Product Information

Product ID P2995
CAS No. 521-61-9
Chemical Name 1,8-Dihydroxy-3-methoxy-6-methylantraquinone

Synonym Parietin, Physcione, Rheochrysidin.

Formula C₁₆H₁₂O₅

Formula Wt. 284.26

Melting Point 203-207C

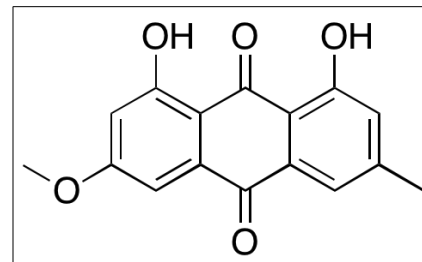
Purity ≥96%

Solubility Insoluble in water, slightly soluble in cold alcohol, soluble in boiling alcohol, soluble in benzene, chloroform, ether, acetone, acetic acid, sodium hydroxide and hot sodium carbonate solution, and very slightly soluble in petroleum ether.

Store Temp 4° C

Ship Temp ambient

Description Physcion is an anthraquinone originally found in several plant sources, including *Microsporium*, *Psorospermum*, *Rhamnus*, and *Rheum*. Physcion exhibits anticancer, antibiotic, and anti-inflammatory activities. In cervical carcinoma cells, physcion induces apoptosis by downregulating expression of Bcl-2 and upregulating expression of Bax and activation of caspase 3. Physcion also exhibits antibacterial activity against *Staphylococcus*, *Pseudomonas*, and *Escherichia*, as well as antifungal activity against *Candida* and *Aspergillus*. In animal models, physcion inhibits iNOS expression and decreases edema volume.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P2995	10 mg	\$145.70
P2995	25 mg	\$238.50
P2995	100 mg	\$729.40

References Wijesekara I, Zhang C, Van Ta Q, et al. Physcion from marine-derived fungus *Microsporium* sp. induces apoptosis in human cervical carcinoma HeLa cells. *Microbiol Res.* 2014 Apr;169(4):255-61. PMID: 24071573.

Locatelli M, Epifano F, Genovese S, et al. Anthraquinone profile, antioxidant and antimicrobial properties of bark extracts of *Rhamnus catharticus* and *R. orbiculatus*. *Nat Prod Commun.* 2011 Sep;6(9):1275-80. PMID: 21941897.

Ghosh S, Das Sarma M, Patra A, et al. Anti-inflammatory and anticancer compounds isolated from *Ventilago madraspatana* Gaertn., *Rubia cordifolia* Linn. and *Lantana camara* Linn. *J Pharm Pharmacol.* 2010 Sep;62(9):1158-66. PMID: 20796195.

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