



## Product Information

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

**Synonym** Parietin, Physcione, Rheochrysidin.

**Formula** C<sub>16</sub>H<sub>12</sub>O<sub>5</sub>

**Formula Wt.** 284.26

**Melting Point** 203-207C

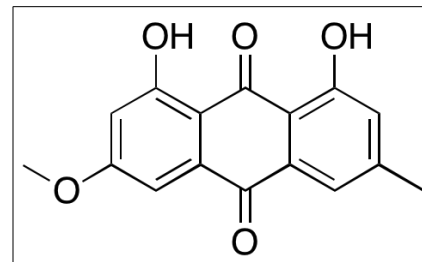
**Purity** ≥96%

**Solubility** Insoluble in water, slightly soluble in cold alcohol, soluble in boiling alcohol, soluble in benzene, chloroform, ether, acetone, acetic acid, sodium

**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.



**Bulk quantities available upon request**

| Product ID | Size   |
|------------|--------|
| P2995      | 10 mg  |
| P2995      | 25 mg  |
| P2995      | 100 mg |

**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.