

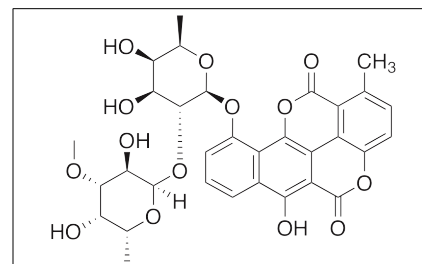
## Product Information

**Product ID** C2803  
**CAS No.** 6377-18-0  
**Chemical Name** Benzo(h)(1)benzopyrano(5,4,3-cde)(1)benzopyran-5,12-dione, 10-((6-deoxy-2-O-(6-deoxy-3-O-methyl-alpha-D-galactopyranosyl)-beta-D-galactopyranosyl)oxy)-6-hydroxy-1-  
**Synonym** Lambdamycin, NSC-5159.

**Formula** C<sub>32</sub>H<sub>32</sub>O<sub>14</sub>  
**Formula Wt.** 640.6  
**Melting Point** 184-186 °C  
**Purity** ≥98%  
**Solubility** Soluble in acetone.  
Practically insoluble in water.

**Store Temp** -20 °C  
**Ship Temp** Blue Ice

**Description** Chartreusin is an antibiotic compound that also exhibits anticancer activity. Chartreusin binds GC-rich DNA sequences, inhibiting synthesis of RNA and causing free radical accumulation.



**Bulk quantities available upon request**

Product ID	Size
C2803	5 mg
C2803	25 mg

**References** Portugal J. Chartreusin, elsamicin A and related anti-cancer antibiotics. *Curr Med Chem Anticancer Agents*. 2003 Nov;3(6):411-20. PMID: 14529449.

Uramoto M, Kusano T, Nishio T, et al. Specific binding of chartreusin, an antitumor antibiotic, to DNA. *FEBS Lett*. 1983 Mar 21;153(2):325-8. PMID: 6311618.

Yagi M, Nishimura T, Suzuki H, et al. Chartreusin, an antitumor glycoside antibiotic, induces DNA strand scission. *Biochem Biophys Res Commun*. 1981 Feb 12;98(3):642-7. PMID: 7225117.

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