

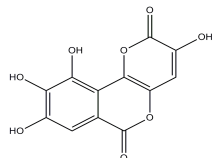
## Product: Galloflavin

**ALTERNATE NAME:** 3,8,9,10-Tetrahydroxy-pyrano[3,2-c][2]benzopyran-2,6-dione;  
NSC-107022

**CATALOG #:** 2672-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>12</sub>H<sub>6</sub>O<sub>8</sub>

**MOLECULAR WEIGHT:** 278.17

**CAS NUMBER:** 568-80-9

**APPEARANCE:** Light yellow to light brown powder

**SOLUBILITY:** DMSO (~ 5 mg/ml)

**PURITY:** ≥95% by HPLC

**STORAGE:** Store at -20 °C. Protect from air and light

**DESCRIPTION:** Galloflavin is a lactate dehydrogenase (LDH) inhibitor inhibiting both LDH-A and LDH-B isoforms of the enzyme with K<sub>i</sub> values of 5.46 μM and 15.06 μM, respectively. It blocks the proliferation of cancer cells by blocking glycolysis and ATP production.

**REFERENCES:** Farabegoli, F., *et al.* (2012). *Eur. J. Pharm. Sci.* **47**, 729-738;  
Manerba, M., *et al.* (2012). *ChemMedChem* **7**, 311-317.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

### RELATED PRODUCTS:

(±)-Gossypol (Cat. No. 2579-50, 250)

LDHA Antibody (CT) (Cat # 6735-100)

LDHA Antibody (Center) (Cat # 6736-100)

Human Recombinant LDHA (Cat # 6374-100)

Human Recombinant LDHB (Cat # 6375-100)

LDH Cytotoxicity Colorimetric assay Kit (Cat. No. K311-400)

LDH Cytotoxicity Colorimetric assay Kit II (Cat. No. K313-500)

Sodium oxamate (Cat. No. 2580-1G, 5G)

**FOR RESEARCH USE ONLY! Not to be used on humans.**