Product: Galloflavin

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

CATALOG #: 2672-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C_{12}H_{16}O_{8}

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 Ki values of 5.46 µM and 15.06 µM, respectively. It blocks the proliferation of cancer cells by blocking glycolysis and ATP production.

REFERENCES:


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

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