

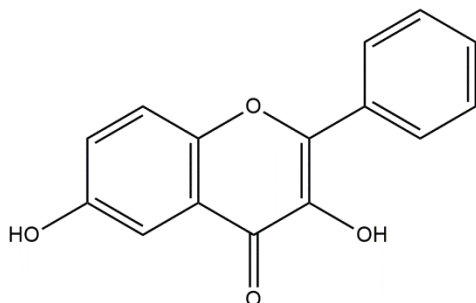
3,6-Dihydroxyflavone

04/21

ALTERNATE NAMES: 3,6-dihydroxy-2-phenylchromen-4-one; 6-Hydroxyflavonol; 4H-1-Benzopyran-4-one, 3,6-dihydroxy-2-phenyl-

CATALOG #: B3132-50 50 mg
B3132-250 250 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₅H₁₀O₄

MOLECULAR WEIGHT: 254.24

CAS NUMBER: 108238-41-1

APPEARANCE: White to orange powder

PURITY: ≥ 98% (HPLC)

SOLUBILITY: Soluble in DMSO

DESCRIPTION: 3,6-Dihydroxyflavone is a flavanoid which shows anticancer activity. It suppresses breast carcinogenesis by upregulation of miR-34a and downregulation of miR-21 at a concentration of 20 μM.

STORAGE TEMPERATURE: -20 °C

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

REFERENCES:

1. Peng, X., Chang, H., Gu, Y., et al. 3, 6-Dihydroxyflavone suppresses breast carcinogenesis by epigenetically regulating miR-34a and miR-21, *Cancer Prev. Res.* 8(6); 509–17 (2015).
2. Biersack, B. Current state of phenolic and terpenoidal dietary factors and natural products as non-coding RNA/microRNA modulators for improved cancer therapy and prevention. *Non-coding RNA Research* 1; 12-34 (2016).

RELATED PRODUCTS:

(-)-Epigallocatechin gallate (Cat. No. 1841)
Astilbin (Cat. No. B2616)
Astragalin (Cat. No. B2964)
Flavopiridol (Cat. No. 2090)
Wogonoside (Cat. No. B2953)

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