

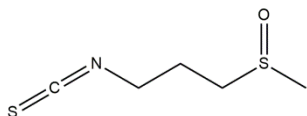
Iberin

06/19

ALTERNATE NAMES: 1-isothiocyanato-3-methylsulfinylpropane, IMSP, NSC 321801

CATALOG #: B2827-1 1 mg
B2827-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₅H₉NOS₂

MOLECULAR WEIGHT: 163.26

CAS NUMBER: 505-44-2

FORMULATION: Solution in ethanol

PURITY: ≥95%

DESCRIPTION: Iberin is a natural isothiocyanate from cruciferous plants. It is a hydrolysis product of glucosinolate. It induces the expression of phase II detoxification enzymes, quinone reductase (QR) and glutathione S-transferase (GST). It activates Nrf2 regulated antioxidant/detoxifying genes. It induces cell cycle arrest with an inhibition of expression of Cdk2, Cdk4, and Cdk6 proteins and apoptosis with the activation of caspase-9, caspase-3, and PARP in neuroblastoma cells. It is a quorum-sensing inhibitor (QSI) of the bacterial pathogen *Pseudomonas aeruginosa*.

STORAGE TEMPERATURE: -80°C. Store under desiccating conditions.

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

RELATED PRODUCTS:

Delphinidin (chloride) (Cat. No. B2807)
Indole-3-carbinol (Cat. No. B2839)
Sulforaphane (Cat. No. B2801)
(-)-Epigallocatechin gallate (Cat. No. 1841)
Curcumin, Curcuma longa (High Purity) (Cat. No. 1850)

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