

Folic Acid

Cat. No. COEC-067

Lot. No. (See product label)

Introduction

Description Folic Acid is an important cofactor in the transfer of one-carbon moieties and plays big role in formation of S-adenosyl methionine and in the synthesis and repair of DNA and RNA. Folate depletion causes disruption of DNA integrity and repair enhancing carcinogenesis by altering expression of critical tumor suppressor genes. Folic Acid is a substrate of DHFR.

Applications An important cofactor in the transfer of one-carbon moieties plays role in formation of S-adenosyl met

Synonyms Pteroylglutamic acid

Product Information

Appearance Powder

Form Solid

CAS No. 59-30-3

Molecular Formula C₁₉H₁₉N₇O₆

Molecular Weight 441.4

Purity ≥98%

Melting Point >285° C

Boiling Point 846.45° C (Predicted)

Solubility Soluble in water (1.6 mg/ml), 1 M NaOH (50 mg/ml), methanol (slightly), diluted acids, and alkaline solutions.