Creative Enzymes®

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.