

Tetrahydrofolic acid

Cat. No. COEC-089

Lot. No. (See product label)

Introduction

Description

Tetrahydrofolic acid is the parent molecule of the folate derivatives that donate one-carbon units to amino acids, nucleic acids, and lipids. Tetrahydrofolate metabolites participate in the synthesis of purine and pyrimidine and in synthesis and conversion of amino acids. A recent use of tetrahydrofolate (THF) is for the studying the activation of riboswitches.

Applications

A tool for studying the activation of riboswitches

Synonyms

5,6,7,8-Tetrahydropteroyl-L-glutamic acid; THF

Product Information

Appearance

powder

Form

Solid

CAS No.

135-16-0

Molecular Formula

C₁₉H₂₃N₇O₆

Molecular Weight

445.43

Purity

≥65% (when packaged)

Solubility

Soluble in 0.1M Phosphate buffer(ph 7.0) 5 mg plus 1mL