

S-(5'-Adenosyl)-L-Methionine Iodide

Cat. No. COEC-099

Lot. No. (See product label)

Introduction

Description

S-(5'-Adenosyl)-L-Methionine Iodide is methyl donor and cofactor for enzyme-catalyzed methylations, including catechol O-methyltransferase (COMT) and DNA methyltransferases (DNMT). S-(5'-Adenosyl)-L-methionine (SAM, AdoMet) is used as a primary methyl donor molecule in mammalian cell culture and the first step metabolite in methionine biosynthesis. Although present in all cells, it is concentrated in liver where 85% of all methylation reactions occur. It is also involved in regulating liver function, growth, and response to injury.

Applications

Cofactor for enzyme-catalyzed methylations

Synonyms

AdoMet; SAM

Product Information

Appearance

Powder

Form

Solid

CAS No.

3493-13-8

Molecular Formula

C₁₅H₂₃IN₆O₅S

Molecular Weight

526.35

Purity

≥80%

Solubility

Soluble in water (100 mg/ml).