Creative Enzymes®

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

Cat. No. COEC-099

Lot. No. (See product label)

Introduction

Description	S-(5'-Adenosyl)-L-Methionine Iodideis 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).