

## R,S-(5'-Adenosyl)-L-methionine p-toluenesulfonate salt

Cat. No. COEC-088

Lot. No. (See product label)

### Introduction

#### Description

S-(5'-Adenosyl)-L-methionine p-toluenesulfonate salt is a methyl donor and cofactor for enzyme-catalyzed methylations, including catechol O-methyltransferase (COMT) and DNA methyltransferases (DNMT). While present in all cells, S-(5'-Adenosyl)-L-methionine p-toluenesulfonate salt is concentrated in cells liver where 85% of all methylation reactions occur.

#### Applications

A methyl donor and cofactor for enzyme-catalyzed methylations

#### Synonyms

SAM p-toluenesulfonate salt

### Product Information

#### Appearance

Powder

#### Form

Solid

#### CAS No.

17176-17-9

#### Molecular Formula

C<sub>15</sub>H<sub>23</sub>N<sub>6</sub>O<sub>5</sub>S•C<sub>7</sub>H<sub>7</sub>O<sub>3</sub>S

#### Molecular Weight

570.645

#### Purity

≥97%

#### Melting Point

70-90° C

#### Solubility

Soluble in Water 100 mg/mL