

## 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