

## Sp-Adenosine 3',5'-cyclic monophosphorothioate triethylammonium salt

Cat. No. COEC-116

Lot. No. (See product label)

### Introduction

**Description** Sp-Diastereomer of adenosine 3',5'-cyclic monophosphorothioate is a potent, membrane-permeable activator of PKA (cAMP dependent protein kinase I and II). Mimics the effects of cAMP as a second messenger in numerous systems while being resistant to cyclic nucleotide phosphodiesterases. Exhibits greater specificity and affinity than forskolin and cAMP analogs such as dibutyryl-cAMP. Sp-Adenosine 3',5'-cyclic monophosphorothioate triethylammonium salt hydrate is an activator of Epac.

**Applications** A membrane permeable activator of cAMP dependent protein kinase I and II

**Synonyms** Sp-Cyclic 3',5'-hydrogen phosphorothioate adenosine; Sp-cAMPS triethylammonium salt

### Product Information

<b>Form</b>	Solid
<b>CAS No.</b>	93602-66-5
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>11</sub> N <sub>5</sub> O <sub>5</sub> PS•C <sub>6</sub> H <sub>16</sub> N
<b>Molecular Weight</b>	446.46
<b>Purity</b>	≥98%
<b>Melting Point</b>	212-213° C
<b>Solubility</b>	Soluble in water.
<b>Refractive Index</b>	1.59 (Predicted)
<b>Density</b>	1.44 g/cm <sup>3</sup> (Predicted)