Creative Enzymes®

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

Form	Solid
CAS No.	93602-66-5
Molecular Formula	C10H11N5O5PS•C6H16N
Molecular Weight	446.46
Purity	≥98%
Melting Point	212-213° C
Solubility	Soluble in water.
Refractive Index	1.59 (Predicted)
Density	1.44 g/cm3 (Predicted)