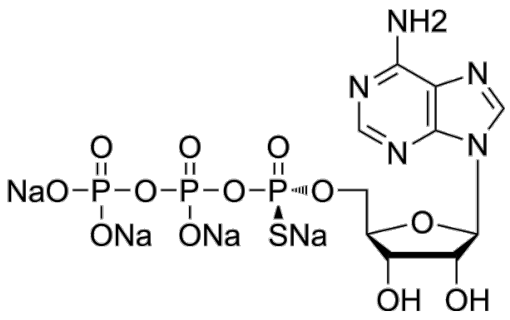
Product Data Sheet

Product Name: Sp-ATPαS tetrasodium solution (100mM)
Cat. No.: GC81402

Chemical Properties

Cas. No.			
Formula	$C_{10}H_{12}N_5Na_4O_{12}P_3S$	M.Wt	611.17
Solubility		Storage	Store at -20°C, protect from light
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

Sp-ATPαS tetrasodium is a thiophosphonate analogue of ATP. Sp-ATPαS tetrasodium is a competitive antagonist of the human P2Y1 receptor and can inhibit the calcium signal induced by ADP. Sp-ATPαS tetrasodium has higher metabolic stability than ATP. Sp-ATPαS tetrasodium can be used to study the binding mode of metal-nucleotide in enzymatic reactions [1].

References:

[1]. Connolly BA, Eckstein F. S-Methylated nucleoside phosphorothioates as probes of enzyme metal X nucleotide binding sites. Biochemistry. 1982 Nov 23;21(24):6158-67.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

[2]. Léon C, et al. The P2Y1 receptor is an ADP receptor antagonized by ATP and expressed in platelets and megakaryoblastic cells. FEBS Lett. 1997 Feb 10;403(1):26-30.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA