

**ADENOSINE 5'-O-(3-THIOTRIPHOSPHATE), TETRALITHIUM SALT/  
 ATP-Gamma-S**

**Catalog # 3701-1**

**Lot#:** Refer to the vial

**Quantity:** 1mg

**Type:** Powder

**CAS Number:** 93839-89-5

**Molecular Weight:** 546.978863 [g/mol]

**Molecular Formula:** C<sub>10</sub>H<sub>12</sub>Li<sub>4</sub>N<sub>5</sub>O<sub>12</sub>P<sub>3</sub>S

**Applications:**

A kinase reaction reagent to be used in conjunction with Epitomics' Thiophosphate Ester RabMAb (Cat# 2686-1) for the identification of direct kinase substrates.

**Storage Conditions:** -20°C

**Stability:** 12 months from date of receipt

**Recommended Usage Guidelines:**

To be used with the conjunction with Epitomics' Thiophosphate Ester RabMAb (Cat# 2686-1) in kinase assay protocol for tagging substrates mentioned in Allen and colleagues in *Nature methods* 2007 (1).

After Kinase of Interest (KOI) has accepted ATP-gamma-S (Cat# 3701-1), PNBM (Cat# 3700-1) can be used to alkylate the thiophosphorylation site on the substrates. A thiophosphate ester RabMAb (Cat# 2686-1) is introduced to identify the tagged substrates. Please refer to the reference for further details.

**References:**

- Allen, J.J. et al. *Nature Methods*, 4(6), 511–516, 2007.

Related Products		
Product Name	Provider / Cat #	Product Description
Thiophosphate Ester RabMAb	Epitomics / 2686-1	Rabbit Monoclonal
PNBM	Epitomics / 3700-1	An Alkylation Reagent
Goat Anti-Rabbit IgG – HRP conjugated	Epitomics / 3053-1	Secondary for WB detection
N6-modified ATP-gamma-S analog	Biolog	Optional for Analog Specific Kinase Reaction

**For research use only. Not for use in diagnostic or therapeutic applications.**

This product was manufactured under U.S. Patent No. 5,675,063. For a complete list of protocols and available related products, please visit [www.epitomics.com](http://www.epitomics.com).