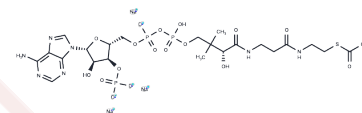


## Acetyl Coenzyme A trisodium

## Chemical Properties

CAS No. :	102029-73-2
Formula:	C <sub>23</sub> H <sub>35</sub> N <sub>7</sub> Na <sub>3</sub> O <sub>17</sub> P <sub>3</sub> S
Molecular Weight:	875.52
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Acetyl Coenzyme A trisodium (Acetyl-CoA trisodium) is an important compound in glucose metabolism and lipid metabolism and is involved in the tricarboxylic acid cycle.
Targets(IC50)	OXPHOS,Endogenous Metabolite,Autophagy

## Solubility Information

Solubility	PBS (pH 7.2): 10 mg/mL (11.42 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1422 mL	5.7109 mL	11.4218 mL
5 mM	0.2284 mL	1.1422 mL	2.2844 mL
10 mM	0.1142 mL	0.5711 mL	1.1422 mL
50 mM	0.0228 mL	0.1142 mL	0.2284 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- Choudhary C, et al. The growing landscape of lysine acetylation links metabolism and cell signalling. *Nat Rev Mol Cell Biol.* 2014 Aug;15(8):536-50.
- Mariño G, et al. Regulation of autophagy by cytosolic acetyl-coenzyme A. *Mol Cell.* 2014 Mar 6;53(5):710-25.
- Zhu H, et al. Cardiac autophagy is a maladaptive response to hemodynamic stress. *J Clin Invest.* 2007 Jul;117(7):1782-93.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481