

<b>Product Name</b>	: Acetyl Coenzyme A trisodium
<b>Synonyms</b>	: —
<b>Cat No.</b>	: M34989
<b>CAS Number</b>	: 102029-73-2
<b>Molecular Formula</b>	: 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
<b>Formula Weight</b>	: 875.52
<b>Chemical Name</b>	: —
<b>Description</b>	: Acetyl-coenzyme A (Acetyl-CoA) trisodium is a membrane-impermeant central metabolic intermediate, participates in the TCA cycle and oxidative phosphorylation metabolism. Acetyl-coenzyme A trisodium, regulates various cellular mechanisms by providing (sole donor) acetyl groups to target amino acid residues for post-translational acetylation reactions of proteins. Acetyl Coenzyme A trisodium is also a key precursor of lipid synthesis.
<b>Pathway</b>	: Others
<b>Target</b>	: Other Targets
<b>Receptor</b>	: OXPPOS   Endogenous Metabolite   Autophagy
<b>Solubility</b>	: In Vitro: ?H <sub>2</sub> O : 83.33 mg/mL (95.18 mM); Ultrasonic) DMSO : < 1 mg/mL (insoluble or slightly soluble)
<b>SMILES</b>	: <chem>O[C@@H]1[C@@H](O[C@@H]([C@@H]1OP([O-])([O-])=O)COP(OP(OCC(C)C)[C@@H](O)C(NCCC(NCCSC(C)=O)=O)=O)(O)=O)([O-])=O)N2C3=NC=NC(N)=C3N=C2.[Na+].[Na+].[Na+]</chem>
<b>Storage</b>	: (-20°C)
<b>Stability</b>	: ≥ 2 years
<b>Reference</b>	:

1. 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. ?