

## PRODUCT SPECIFICATION SHEET

### Product Details:

**Name of material** Malonyl Coenzyme A, Free Acid

**Product ID / SKU** A-32

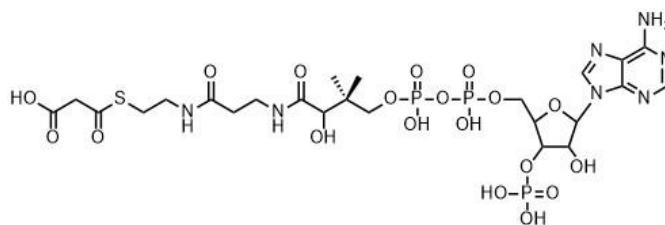
**Purity** ≥ 95.0%  
(HPLC, 259 nm)

**Origin** Synthetic

**CAS No.** 524-14-1

**Molecular Formula** C<sub>24</sub>H<sub>38</sub>N<sub>7</sub>O<sub>19</sub>P<sub>3</sub>S

**Molecular Weight** 853.58 g/mol



### Chemical & Physical Properties:

**Appearance** White to slightly yellow

**Consistency** Powder to crystalline powder

**Solubility** Soluble in water

### Storage Conditions:

**Long-term storage** Store at -20°C in the original tightly closed container, protected from air, light, and humidity.

**Short-term exposure tolerance** The product may withstand temporary temperature excursions up to room temperature for up to 5 days during transport in a special outer package, if the provided packaging remains sealed and protected from direct sunlight and humidity.

### Recommended Shelf Life:

24 months after production, in unopened original packaging maintained under recommended storage conditions. A 3-month quality verification (re-test) is conducted to confirm continued compliance with specifications.

### Analysis

### Action Limit

**Purity** HPLC (259 nm)

≥ 95.0%

**Identity** NMR (<sup>1</sup>H, <sup>31</sup>P)

Conforms