

## PRODUCT SPECIFICATION SHEET

### Product Details:

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

**Product ID / SKU** A-53

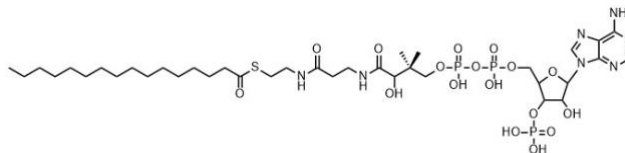
**Purity**  $\geq 95.0\%$   
(HPLC, 259 nm)

**Origin** Synthetic

**CAS No.** 1763-10-6

**Molecular Formula**  $C_{37}H_{66}N_7O_{17}P_3S$

**Molecular Weight** 1005.95 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  $-20^{\circ}\text{C}$  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

|                 |  |               |
|-----------------|--|---------------|
| <b>Purity</b>   | HPLC (259 nm)                          | $\geq 95.0\%$ |
| <b>Identity</b> | NMR ( $^1\text{H}$ , $^{31}\text{P}$ ) | Conforms      |