

## PRODUCT SPECIFICATION SHEET

### Product Details:

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

**Product ID / SKU** A-28

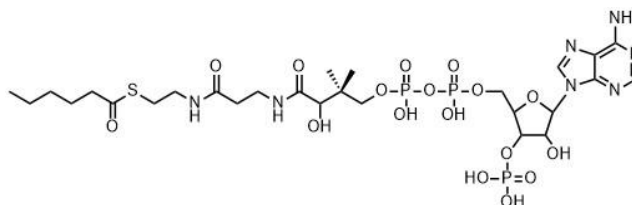
**Purity**  $\geq 95.0\%$   
(HPLC, 259 nm)

**Origin** Synthetic

**CAS No.** 5060-32-2

**Molecular Formula**  $C_{27}H_{46}N_7O_{17}P_3S$

**Molecular Weight** 865.68 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