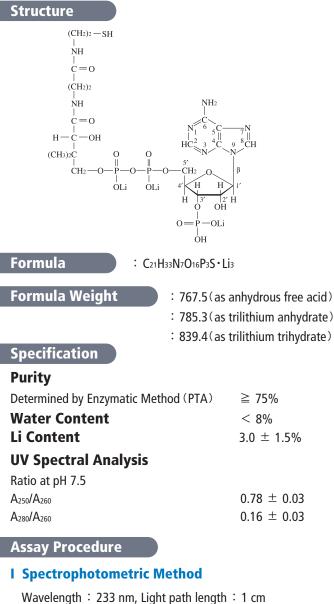
CoA-Li

Coenzyme A (trilithium salt)

prepared enzymatically



wavelength · 233 nm, Light path length ·

Pipette the	following	reagents	into a	cuvette
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	b	а		
mL	4.00 r	4.00 mL	Tris-HCI(0.1 mol/L, pH 7.5)	
mL	0.20 r	0.20 mL	Acetyl Phosphate(20 mg/mL)	
mL	0.50 r	0.50 mL	CoA(1.0 mg/mL)	
	_	0.01 mL	PTA(5,000 U/mL)*	
	_	0.01 mL		

*Phosphotransacetylase

II Calculation

$\frac{\Delta A \cdot V \cdot MW \times 100}{4.44 \times 10^3 \cdot d \cdot v \cdot s} \times \frac{100}{(100 - L - W)} = \text{Purity of CoA}$ $\Delta A = Aa - Ab$ $V = \text{Total volume of reaction mixture (4.71 mL)}$ $MW = 767.5, \text{ anhydrous free acid}$ $4.44 \times 10^3 = \text{Molar extinction coefficient of Acetyl-CoA at 233 nm (L \cdot mol^{-1} \cdot cm^{-1})}$ $d = \text{Light path length (1 cm)}$ $v = \text{Sample volume (0.5 mL)}$ $s = \text{Sample concentration (1.0 mg/mL)}$ $L = \text{Li (\%)}$ $W = \text{Water content (\%)}$					
Reference Data					
pH stability Long term stability					
$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $					
0.9 0.8 0.7 0.6 0.6 0.6 0.7 0.4 0.7 0.6 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7					
Storage					

Store below -20 °C. Handling during short term such as transportation is allowed at 1 - 10 °C. Store in the dark. Keep off humidity.

Cat. No./Package

Cat. No.	Package	Cat. No.	Package
45160000	100 mg	45162900	Bulk
45162000	1 g		

For in vitro diagnostic or research use only

