

Technical Data Sheet

C3:0

Compound Information

Product Name:	C3:0
CAS No.:	108321-21-7
Molecular Formula:	C ₂₄ H ₄₁ LiN ₇ O ₁₇ P ₃ S
Molecular Weight:	831.55
Storage:	Store at ≤-4 °C
Revision Date:	2026-04-15

Analytical Information

Tests	Specifications
Description	Propionyl coenzyme A lithium, a coenzyme A derivative of propionic acid, is an important metabolic intermediate formed by the thioester bond between coenzyme A and propionic acid.
Form	Solid
Color	White to Off-White
TLC System	Isobutyric acid / Sodium isobutyrate, pH 4.3 Prepared by adding 577 mL iso-butyric Acid to 350 mL water and adjust the pH to 4.4 with conc. Ammonium Hydroxide. Dilute to 100 mL. R _f = 0.77
UV	λ _{max} at 260 nm, pH: 7 14.7x10 ³ ; Ratios at pH 7 232/260 = 0.51 ± 0.03 250/260 = 0.84 ± 0.03 280/260 = 0.17 ± 0.03
Purity by UV	≥ 95%
TLC	R _f = 0.77

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.