Product Name: Lys-CoA  
Catalog No.: 5103  
Batch No.: 1  
IUPAC Name: S-[2-[[5S]-5-(Acetylamino)-6-amino-6-oxohexyl]amino]-2-oxoethyl]coenzyme A trifluoroacetate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{31}H_{53}N_{10}O_{19}P_{3}S.C_{2}HF_{3}O_{2} \)
Batch Molecular Weight: 1108.82
Physical Appearance: White lyophilised solid
Solubility: water to 6 mM
Storage: Store at -20°C
Batch Molecular Structure:

2. ANALYTICAL DATA

HPLC: Shows 96.3% purity
\(^1\)H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com  
info@bio-techne.com  
techsupport@bio-techne.com

North America  
Tel: (800) 343 7475

China  
info.cn@bio-techne.com  
Tel: +86 (21) 52380373

Europe Middle East Africa  
Tel: +44 (0)1235 529449

Rest of World  
www.tocris.com/distributors  
Tel:+1 612 379 2956
Product Name: Lys-CoA

IUPAC Name: S-[2-[[5S]-5-(Acetylamino)-6-amino-6-oxohexyl]amino]-2-oxoethyl]coenzyme A trifluoroacetate

Description:
Selective p300 histone acetyltransferase (HAT) inhibitor (IC$_{50}$ = 50-500 nM). Exhibits approximately 100-fold selectivity for p300 over PCAF (IC$_{50}$ = 200 μM). Inhibits p300-dependent transcription. Active in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C$_{51}$H$_{93}$N$_{19}$O$_{19}$P$_{5}$S.C$_{2}$HF$_{5}$O$_{2}$
Batch Molecular Weight: 1108.82
Physical Appearance: White lyophilised solid
Minimum Purity: >95%

Storage: Store at -20°C. This product is packaged under an inert atmosphere.

Solubility & Usage Info:
water to 6 mM
This product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).
Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

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