


Certificate of Analysis

Catalog Number	BP13360
Product Name	MLCK inhibitor peptide 18 acetate

Physical and Chemical Properties

Synonyms	MLCK inhibitor peptide 18 acetate(224579-74-2 free base)
Chemical Formula	C ₆₂ H ₁₀₉ N ₂₃ O ₁₃
Molecular Weight	1384.67
Solubility	DMSO: Insoluble H ₂ O: 5 mM
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	MLCK inhibitor peptide 18 acetate is a selective competitive inhibitor of myosin light chain kinase (IC ₅₀ = 50 nM). Displays 4000-fold selectivity over CaM kinase II and does not inhibit PKA. Cell permeable.
Targets&IC ₅₀	MLCK:50 nM

Analytical Data

HPLC	Shows Min >99% purity
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H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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