



LKT Laboratories, Inc.

SAMs Peptide

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Product Information

Product ID S0200

CAS No. 125911-68-4

Chemical Name

Synonym

Formula $C_{74}H_{131}N_{29}O_{18}S_2$

Formula Wt. 1779.18

Melting Point

Purity $\geq 95\%$

Solubility Soluble in water (1 mg/mL).

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description SAMs peptide is a peptide designed to mimic the sequence of the AMP-activated protein kinase (AMPK) binding site of A775-substituted acetyl CoA carboxylase. SAMs peptide is used to measure AMPK activity via changes in phosphorylation.

H-His-Met-Arg-Ser-Ala-Met-Ser-Gly-Leu-His-Leu-Val-Lys-Arg-Arg-OH

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
S0200	0.5 mg	\$71.40
S0200	1 mg	\$131.30
S0200	2.5 mg	\$262.50

References Mohan S, Patel H, Bolinaga1 J, et al. AMP-activated protein kinase regulates L-arginine mediated cellular responses. Nutr Metab (Lond). 2013 May 29;10(1):40. PMID: 23718875.

Woollhead AM, Sivagnanasundaram J, Kalsi KK, et al. Pharmacological activators of AMP-activated protein kinase have different effects on Na⁺ transport processes across human lung epithelial cells. Br J Pharmacol. 2007 Aug;151(8):1204-15. PMID: 17603555.

Davies SP, Carling D, Hardie DG. Tissue distribution of the AMP-activated protein kinase, and lack of activation by cyclic-AMP-dependent protein kinase, studied using a specific and sensitive peptide assay. Eur J Biochem. 1989 Dec 8;186(1-2):123-8. PMID: 2574667.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.