

Product Information

Product ID K1650

CAS No. 65189-71-1

Chemical Name

Synonym Phosphate Acceptor Peptide; NSC 332190.

Formula $C_{32}H_{61}N_{13}O_9$

Formula Wt. 771.92

Melting Point

Purity $\geq 95\%$

Solubility Soluble in water (20 mg/mL), DMSO.

Store Temp -20°C

Ship Temp Ambient

Description Kemptide is a heptapeptide substrate of PKA used to measure PKA activity.

H-Leu-Arg-Arg-Ala-Ser-Leu-Gly-OH

Bulk quantities available upon request

Product ID	Size
K1650	1 mg
K1650	2 mg
K1650	5 mg

References Montenegro M, Garcia-Viloca M, González-Lafont A, et al. Comparative study of the prereactive protein kinase A Michaelis complex with kemptide substrate. J Comput Aided Mol Des. 2007 Oct-Nov;21(10-11):603-15. PMID: 18008170.

Benyo DF, Zeleznik AJ. Cyclic adenosine monophosphate signaling in the primate corpus luteum: maintenance of protein kinase A activity throughout the luteal phase of the menstrual cycle. Endocrinology. 1997 Aug;138(8):3452-8. PMID: 9231800.

Whitehouse S, Feramisco JR, Casnellie JE, et al. Studies on the kinetic mechanism of the catalytic subunit of the cAMP-dependent protein kinase. J Biol Chem. 1983 Mar 25;258(6):3693-701. PMID: 6833226.

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