

Kemptide

Cat. No. CSUB-0829

Lot. No. (See product label)

Introduction

Description Kemptide, phosphate acceptor, is shown to be a basic serine-containing heptapeptide corresponding to a sequence from pig liver pyruvate kinase. This synthetic peptide is a substrate of PKA (cyclic AMP-dependent protein kinase) and is phosphorylated and activated after microinjection into *Xenopus* oocytes. Exposure of Kemptide to insulin has demonstrated an increase in activation of this agent, which can be inhibited by the catalytic subunit of phosphatase 2A.

Applications A phosphate acceptor peptide

Synonyms LRRASLG; LEU-ARG-ARG-ALA-SER-LEU-GLY; LEU-ARG-ARG-ALA-SER-LEU-GLY-OH; KEMPTIDE [LRRASLG]; KEMPTIDE ACETATE SALT; KEMPTIDE; H-LEU-ARG-ARG-ALA-SER-LEU-GLY-OH; ARG-ARG-LYS-ALA-SER-GLY-PRO-PRO-VAL

Product Information

Form	Solid
CAS No.	65189-71-1
Molecular Formula	C ₃₂ H ₆₁ N ₁₃ O ₉
Molecular Weight	771.92
Purity	>97%
Solubility	Soluble in water (20 mg/ml).
Refractive Index	1.65 (Predicted)

Storage and Shipping Information

Storage Store at -20° C