Creative Enzymes®

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	C32H61N13O9
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