

## 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

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

### Storage and Shipping Information

**Storage** Store at -20° C