

Rev03
Update: Feb,10,2022

DATASHEET

Kemptide

Cat. No.: RP10287

Overview

Description	Kemptide is a phosphate acceptor peptide that serves as a synthetic substrate for cAMP-dependent protein kinase (PKA) ($K_m=16 \mu\text{M}$). The corresponding fluorescent and biotinylated peptides are also proven to be good substrates for PKA. The sequence defines the phosphorylation site of porcine liver pyruvate kinase.
Cas No	65189-71-1
Sequence	{LEU}{ARG}{ARG}{ALA}{SER}{LEU}{GLY}
Sequence Shortening	LRRASLG
Molecular Formula	$\text{C}_{32}\text{H}_{61}\text{N}_{13}\text{O}_9$
Molecular Weight	771.9

Properties

Purity	> 95%
Solubility	Soluble in water. 10 mg/ml, clear, colorless
Form	Lyophilized
Storage	Store at -20°C . Keep tightly closed. Store in a cool dry place.