

Rev03  
Update: Feb,10,2022

**DATASHEET**

# Autocamtide 2

Cat. No.: RP10271

## Overview

<b>Synonyms</b>	Autocamtide2; AC-2; AC2
<b>Description</b>	The native peptide Autocamtide 2 (KKALRRQETVDAL) is a highly selective substrate for Ca <sup>2+</sup> /calmodulin-dependent protein kinase (CaMK). The peptide Autocamtide 2 contains the sequence around the autophosphorylation site in the autoinhibitory domain of calmodulin-dependent protein kinase II (CaM kinase II). The fluorescent and biotinylated peptides are used to design assays for CaMKs.
<b>Cas No</b>	129198-88-5
<b>Sequence</b>	{LYS}{LYS}{ALA}{LEU}{ARG}{ARG}{GLN}{GLU}{THR}{VAL}{ASP}{ALA}{LEU}
<b>Sequence Shortening</b>	KKALRRQETVDAL
<b>Molecular Formula</b>	C <sub>65</sub> H <sub>118</sub> N <sub>22</sub> O <sub>20</sub>
<b>Molecular Weight</b>	1527.77

## Properties

<b>Purity</b>	> 95%
<b>Solubility</b>	Soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weight out a smaller portion of the contents.
<b>Form</b>	Lyophilized
<b>Storage</b>	Store at -20°C
<b>Note</b>	Highly selective substrate for CaM kinase used for Ca <sup>2+</sup> /Calmodulin-dependent Protein Kinase studies.