

DATASHEET

Version: 2016-08-18

Syntide 2**Cat. No.:** RP10322-5**Size:** 5 mg**Description:**

The native peptide PLARTLSVAGLPGKK is a selective substrate for CaM kinase II and PKC. It is also a poor substrate for phosphorylase kinase and is not phosphorylated by myosin light chain kinase. The sequence of PLARTLSVAGLPGKK is homologous to phosphorylation site 2 in glycogen synthase. The relative Vmax/Km ratios of the peptide for different kinases are 100 for CaMK II, 22 for PKC, 2 for phosphorylase kinase, and 0.5 for myosin light chain kinase, respectively.

Cas No: 108334-68-5**Sequence (one-letter code):**

PLARTLSVAGLPGKK

Sequence (three-letter code):

{PRO}{LEU}{ALA}{ARG}{THR}{LEU}{SER}{VAL}{ALA}{GLY}{LEU}{PRO}{GLY}{LYS}{LYS}

Solubility: Soluble in water: clear, colorless, 1 mg/ml H₂O**Formula:** C₆₈H₁₂₂N₂₀O₁₈**Molecular Weight:** 1,507.82**Purity:** > 95%**Storage:**

Store at -20°C. Keep tightly closed.

Note:

*For Non-Clinical Research Use Only *

