
Product Data Sheet

Product Name: Calcineurin substrate

Cat. No.: GC30990

Chemical Properties

Cas. No. 113873-67-9

SMILES Asp-Leu-Asp-Val-Pro-Ile-Pro-Gly-Arg-Phe-Asp-Arg-Arg-Val-Ser-Val-Ala-Ala-Glu

Formula C₉₂H₁₅₀N₂₈O₂₉ M.Wt 2112.35

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Calcineurin substrate is a synthetic peptide that corresponds to the regulatory RII subunit of protein kinase A (PKA).¹ It can be phosphorylated by PKA, and phosphorylated calcineurin substrate can be used to quantify calcineurin activity.

1. Namgaladze, D., Hofer, H.W., and Ullrich, V. Redox control of calcineurin by targeting the binuclear Fe²⁺-Zn²⁺ center at the enzyme active site. *Biol. Chem.* 277(8):5962-5969(2002)

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA