
Product Data Sheet

Product Name: Calmodulin Binding Peptide 1

Cat. No.: GC35594

Chemical Properties

Cas. No. 104041-80-7

Formula $C_{231}H_{373}N_{69}O_{70}S_2$

M.Wt 5301.1

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

Calmodulin Binding Peptide 1 is a high affinity (pM) CaM-binding peptide derived from smooth muscle myosin light-chain kinase (MLCK peptide), which strongly inhibits IP3-induced Ca²⁺ release [1].

[1]. González-Andrade M, et al. Importance of the interaction protein-protein of the CaM-PDE1A and CaM-MLCK complexes in the development of new anti-CaM drugs. J Mol Recognit. 2013 Apr;26(4):165-74.

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

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