

Product Data Sheet

Product Name: MARCKS Peptide(151-175), Phosphorylated

Cat. No.: GC36539

Chemical Properties

Cas. No.

Formula $C_{147}H_{246}N_{41}O_{40}P_3$ M.Wt 3320.8

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

KKKKKRF-{pSer}-FKK-{pSer}-FKLSGF-{pSer}-FKKNKK

Background

MARCKS Peptide(151-175), Phosphorylated is a phosphorylated peptide corresponding to the basic effector domain of myristoylated alanine-rich protein kinase C substrate protein (MARCKS).

Phosphorylation of MARCKS Peptide (151-175) reverses its inhibition of phospholipase C (PLC)-catalyzed hydrolysis of phosphatidylinositol 4,5-bisphosphate (PIP2)[1].

[1]. Glaser M, et al. Myristoylated alanine-rich C kinase substrate (MARCKS) produces reversible inhibition of phospholipase C by sequestering phosphatidylinositol 4,5-bisphosphate in lateral domains..J Biol Chem. 1996 Oct 18;271(42):26187-93.

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

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