

Product Data Sheet

Product Name: MPSPD TFA

Cat. No.: GC74326

Chemical Properties

Cas. No.

Formula $C_{147}H_{243}N_{41}O_{31} \cdot xC_2HF_3O_2$ M.Wt 3080.76 (free base)

Solubility H_2O : ≥ 50 mg/mL Storage Sealed storage, away from moisture

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

Lys-Lys-Lys-Lys-Lys-Arg-Phe-Ser-Phe-
Lys-Lys-Ser-Phe-Lys-Leu-Ser-Gly-Phe-
Ser-Phe-Lys-Lys-Asn-Lys-Lys (TFA salt)

Background

MPSPD TFA (MARCKS-ED TFA) is the TFA salt form of MPSPD . MPSPD TFA is a 25-amino acid peptide based on the effector domain sequence of the intracellular membrane protein myristoylated alanine-rich C-kinase substrate (MARCKS). MPSPD TFA can sense membrane curvature and

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

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recognize phosphatidylserine. MPSD TFA can be utilized as biological probe to study membrane shape and lipid composition.

References:

[1]. Morton LA, et al., MARCKS-ED peptide as a curvature and lipid sensor. ACS Chem Biol. 2013 Jan 18;8(1):218-25.

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