

Product Data Sheet

Product Name: Difopein TFA

Cat. No.: GC64375

Chemical Properties

Cas. No.

Formula C275H425N76F3O91S6

M.Wt 6501.19

Solubility

Storage -20°C, away from moisture

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

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

Structure

SADGAPHCVPRLSWLDLEANMCLPGAAGLDSADGAPHCVPRLSWLDLEANMCLPGAAGLE (TFA salt)

Background

Difopein (TFA), a specific and competitive inhibitor of 14-3-3 protein (a highly conserved eukaryotic regulatory molecule), blocking the ability of 14-3-3 to bind to target proteins and inhibits 14-3-3/Ligand interactions. Difopein (TFA) leads to induction of apoptosis and enhances the ability of cisplatin to kill cells[1].

[1]. Masters SC, et al. 14-3-3 proteins mediate an essential anti-apoptotic signal. J Biol Chem. 2001 Nov 30;276(48):45193-200. Epub 2001 Sep 27.

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

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