
Product Data Sheet

Product Name: E-6123
Cat. No.: GC35922

Chemical Properties

Cas. No. 131614-02-3

SMILES O=C(C1CC1)N2CC3=C(CC2)C(C(C4=CC=CC=C4Cl)=N[C@H]5C)=C(S3)N6C5=NN=C6C

Formula C₂₃H₂₂ClN₅O S M.Wt 451.97

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

Structure

Background

E-6123 is a platelet-activating factor (PAF) receptor antagonist. PAF[1]

E-6123 (E6123) partially inhibits the Thapsigargin-induced increase in the levels of interleukin-6 mRNA and interleukin-6 protein. To clarify the role of the concurrently produced cell-associated PAF in the thapsigargin-induced increase in the interleukin-6 mRNA level and interleukin-6 production, the effects of the PAF receptor antagonist E-6123 are examined. E-6123 at 1 and 10 μM partially inhibits the Thapsigargin (46.1 nM)-induced increase in the interleukin-6 mRNA level at 4 h and interleukin-6 production at 8 h[1].

[1]. Ichinowatari G, et al. Participation of prostaglandin E2 and platelet-activating factor in thapsigargin-induced production of interleukin-6. Eur J Pharmacol. 2002 Jan 11;434(3):187-96.

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

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