

Product Data Sheet

Product Name: Amotosalen hydrochloride

Cat. No.: GC35326

Chemical Properties

Cas. No. 161262-45-9

SMILES NCCOCC(C1=CC(C(C)=C2)=C3OC2=O)=C(C)OC1=C3C.[H]Cl.[H]Cl

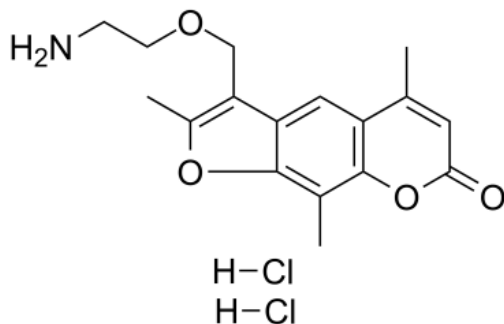
Formula $C_{17}H_{21}Cl_2NO_4$ M.Wt 374.26

Solubility DMSO : 7.14 mg/mL (21.14 mM; Need ultrasonic) 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

Amotosalen hydrochloride (S-59) is a light-activated, DNA-, RNA-crosslinking psoralen compound, which is used to neutralise pathogens[1].

When activated by light, Amotosalen binds to the nucleic acid of the pathogen and prevents replication. Light-activated Amotosalen binds and permanently crosslinks DNA, preventing replication and thus stopping proliferation of donor T cells[1].

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

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[1]. Amotosalen: Allogeneic Cellular Immunotherapies system, INTERCEPT Plasma System, INTERCEPT Platelet System, S 59. BioDrugs. 2003;17(1):66-8.

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