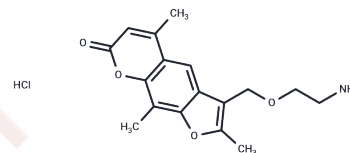


## Amotosalen hydrochloride

### Chemical Properties

CAS No. :	161262-45-9
Formula:	C <sub>17</sub> H <sub>20</sub> ClNO <sub>4</sub>
Molecular Weight:	337.8
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



### Biological Description

Description	Amotosalen hydrochloride (S-59) is a light-activated, RNA- and DNA-crosslinking psoralen compound used to neutralize pathogens.
Targets(IC50)	Others
In vitro	Amotosalen activated by light binds to the nucleic acid of the pathogen and prevents replication. Light-activated Amotosalen binds and permanently crosslinks DNA, preventing replication and thus stopping the proliferation of donor T cell.

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9603 mL	14.8017 mL	29.6033 mL
5 mM	0.5921 mL	2.9603 mL	5.9207 mL
10 mM	0.296 mL	1.4802 mL	2.9603 mL
50 mM	0.0592 mL	0.296 mL	0.5921 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

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

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