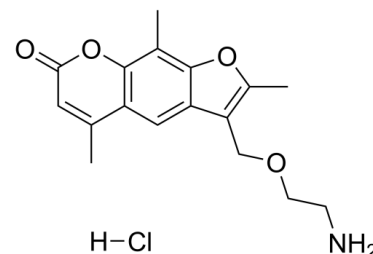


Data Sheet

Product Name:	Amotosalen (hydrochloride)
Cat. No.:	CS-0027098
CAS No.:	161262-45-9
Molecular Formula:	C ₁₇ H ₂₀ ClNO ₄
Molecular Weight:	337.80
Target:	Others
Pathway:	Others
Solubility:	DMSO : 7.14 mg/mL (ultrasonic)



BIOLOGICAL ACTIVITY:

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

References:

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

CAIndexNames:

7H-Furo[3,2-g][1]benzopyran-7-one, 3-[(2-aminoethoxy)methyl]-2,5,9-trimethyl-, hydrochloride (1:1)

SMILES:

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

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

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