Data Sheet (Cat.No.T26402)

TargetMol

A 1110U

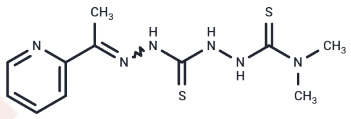
Chemical Properties

CAS No. : 96860-23-0

Formula: C11H16N6S2

Molecular Weight: 296.41

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	A 1110U is an inactivator of herpes simplex virus ribonucloetide reductases.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3737 mL	16.8685 mL	33.7371 mL
5 mM	0.6747 mL	3.3737 mL	6.7474 mL
10 mM	0.3374 mL	1.6869 mL	3.3737 mL
50 mM	0.0675 mL	0.3374 mL	0.6747 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

Porter DJ, Harrington JA, Spector T. Herpes simplex virus type 1 ribonucleotide reductase: selective and synergistic inactivation by A1110U and its iron complex. Biochem Pharmacol. 1990 Feb 15;39(4):639-46. PubMed PMID: 2154988.

Ellis MN, Lobe DC, Spector T. Synergistic therapy by acyclovir and A1110U for mice orofacially infected with herpes simplex viruses. Antimicrob Agents Chemother. 1989 Oct;33(10):1691-6. PubMed PMID: 2556074; PubMed Central PMCID: PMC172739.

Spector T, Harrington JA, Porter DJ. Herpes and human ribonucleotide reductases. Inhibition by 2-acetylpyridine 5-[(2-chloroanilino)-thiocarbonyl]-thiocarbonohydrazone (348U87). Biochem Pharmacol. 1991 Jun 21;42(1):91-6. PubMed PMID: 1648925.

Spector T, Harrington JA, Morrison RW Jr, Lambe CU, Nelson DJ, Averett DR, Biron K, Furman PA. 2-Acetylpyridine 5-[(dimethylamino)thiocarbonyl]-thiocarbonohydrazone (A1110U), a potent inactivator of ribonucleotide reductases of herpes simplex and varicella-zoster viruses and a potentiator of acyclovir. Proc Natl Acad Sci U S A. 1989 Feb;86(3):1051-5. PubMed PMID: 2536930; PubMed Central PMCID: PMC286619.