

## Antileishmanial agent-35

## Chemical Properties

CAS No. :	100611-91-4
Formula:	C13H16O2
Molecular Weight:	204.27
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	Antileishmanial agent-35 (Compound 6) is an antileishmanial compound with an IC50 of 0.29 $\mu$ M against the promastigotes of Leishmania amazonensis. It acts by disrupting the electron transport chain (where ubiquinone plays a role), markedly reducing mitochondrial membrane potential and ATP levels, and increasing reactive oxygen species (ROS) production. Antileishmanial agent-35 is applicable in the study of cutaneous leishmaniasis.
Targets(IC50)	Mitochondrial Metabolism,Parasite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8955 mL	24.4774 mL	48.9548 mL
5 mM	0.9791 mL	4.8955 mL	9.791 mL
10 mM	0.4895 mL	2.4477 mL	4.8955 mL
50 mM	0.0979 mL	0.4895 mL	0.9791 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.

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