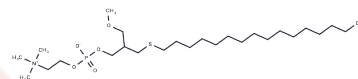


## Ilmofosine

## Chemical Properties

CAS No. :	83519-04-4
Formula:	C <sub>26</sub> H <sub>56</sub> N <sub>2</sub> O <sub>5</sub> PS
Molecular Weight:	525.77
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	Ilmofosine (BM41440) is a potent and selective inhibitor of protein kinase C (protein kinase C). It induces cell cycle arrest in the G2 phase and also acts as an antileishmanial agent.
Targets(IC50)	Parasite,PKC
In vitro	Ilmofosine inhibits the promastigotes and antimony-resistant strains of Leishmania, with an ED <sub>50</sub> of 3.73 μM and 3.46 μM, respectively. Additionally, Ilmofosine at a concentration of 15 μM for 48 hours induces cell cycle arrest in CA46 cells at the G2 phase.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.902 mL	9.5099 mL	19.0197 mL
5 mM	0.3804 mL	1.902 mL	3.8039 mL
10 mM	0.1902 mL	0.951 mL	1.902 mL
50 mM	0.038 mL	0.1902 mL	0.3804 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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