

## 5-Hydroxynoracronycine

## Chemical Properties

CAS No. :	27067-70-5
Formula:	C19H17NO4
Molecular Weight:	323.35
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	5-Hydroxynoracronycine is a selective inhibitor targeting Leishmania parasites, HIV-1 protease, and nitric oxide (NO) production. It demonstrates an IC50 of 93.1 µmol/L against HIV-1 protease and an IC50 of 0.19 mg/mL in scavenging DPPH radicals. By inhibiting pathogen proliferation, enzyme activity, and the excessive production of inflammation-related NO, 5-Hydroxynoracronycine exhibits antileishmanial, anti-HIV, antioxidant, and antibacterial properties. It is applicable in research related to leishmaniasis, HIV infection, and inflammation-associated diseases.
Targets(IC50)	HIV Protease,Parasite
In vitro	5-Hydroxynoracronycine exhibits an EC50 of 4.42 µM against Leishmania donovani promastigotes (promastigotes) after 48 hours.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0926 mL	15.4631 mL	30.9262 mL
5 mM	0.6185 mL	3.0926 mL	6.1852 mL
10 mM	0.3093 mL	1.5463 mL	3.0926 mL
50 mM	0.0619 mL	0.3093 mL	0.6185 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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