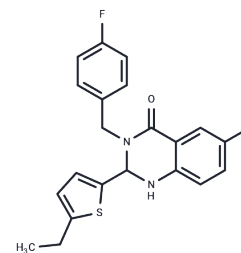


DHQZ 36

Chemical Properties

CAS No. :	1542098-94-1
Formula:	C ₂₁ H ₁₈ F ₂ N ₂ O ₅
Molecular Weight:	384.44
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	DHQZ 36 is a potent retrograde trafficking inhibitor. It has potent anti-parasite activity. DHQZ 36 inhibits Leishmania amazonensis infection in macrophages (EC ₅₀ : 13.63 μM).
Targets(IC ₅₀)	Others,Parasite
In vitro	DHQZ 36 causes over 40% reduction in secreted of parasite proteins and it also causes a reversal in Leishmania induced suppression of IL-6 release by infected cells after LPS activation. With increasing concentrations of DHQZ 36, there is a significant diminution in the size of parasitophorous vacuoles (LPVs), vacuole sizes are reduced by 30% at 50 μM. Significant parasite loss is observed with as low as 5 μM after treatment with DHQZ 36. Parasites are unable to recover growth when treated with DHQZ 36 at concentrations at or above 12.5 μM.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6012 mL	13.0059 mL	26.0119 mL
5 mM	0.5202 mL	2.6012 mL	5.2024 mL
10 mM	0.2601 mL	1.3006 mL	2.6012 mL
50 mM	0.052 mL	0.2601 mL	0.5202 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

Craig E, et al. Structurally optimized analogs of the retrograde trafficking inhibitor Retro-2cycl limit Leishmania infections. PLoS Negl Trop Dis. 2017 May 15;11(5):e0005556.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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