

TCMDC-135051 hydrochloride

Chemical Properties

CAS No. :

Formula: C₂₉H₃₄ClN₃O₃

Molecular Weight: 508.05

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	TCMDC-135051 hydrochloride is a potent, highly selective, low off-target toxicity inhibitor of the protein kinase PfCLK3. TCMDC-135051 hydrochloride blocks the trophozoite to lysosome transition, disrupts transcription and inhibits transmission to mosquito vectors, exhibiting an antiparasitic effect with an EC ₅₀ value of 320 nM.
Targets(IC ₅₀)	Others,Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9683 mL	9.8416 mL	19.6831 mL
5 mM	0.3937 mL	1.9683 mL	3.9366 mL
10 mM	0.1968 mL	0.9842 mL	1.9683 mL
50 mM	0.0394 mL	0.1968 mL	0.3937 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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