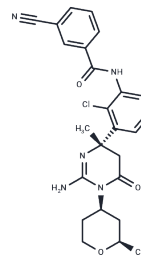


UCB7362

## Chemical Properties

CAS No. : 2610631-17-7  
 Formula: C<sub>25</sub>H<sub>26</sub>ClN<sub>5</sub>O<sub>3</sub>  
 Molecular Weight: 479.96  
 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	UCB7362 (GLXC-26743) is an orally available and potent plasmepsin X (PMX) inhibitor with anti-malarial activity. UCB7362 inhibits parasite reproduction.
Targets(IC50)	Parasite
In vitro	UCB7362 exhibits significantly higher potency against PMX than PMIX, with an IC <sub>50</sub> of 7 nM for the former compared to 142 nM for the latter[1]. Additionally, UCB7362 demonstrates improved selectivity against Cat D and Renin, with an IC <sub>50</sub> of 3889 nM and >10,000 nM, respectively[1].
In vivo	UCB7362, when administered orally at doses ranging from 10 to 60 mg/kg twice a day for 4 days, clears parasitemia from peripheral blood[1]. Furthermore, when given intravenously (IV) at 1 mg/kg and orally (PO) at 10 mg/kg in a single administration, UCB7362 exhibits moderate clearance in dogs and cynomolgus monkeys, and moderate to high clearance in rats[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0835 mL	10.4175 mL	20.8351 mL
5 mM	0.4167 mL	2.0835 mL	4.167 mL
10 mM	0.2084 mL	1.0418 mL	2.0835 mL
50 mM	0.0417 mL	0.2084 mL	0.4167 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

Low MA, et al. Discovery and Characterization of Potent, Efficacious, Orally Available Antimalarial Plasmeepsin X Inhibitors and Preclinical Safety Assessment of UCB7362. J Med Chem. 2022 Oct 10.

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

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