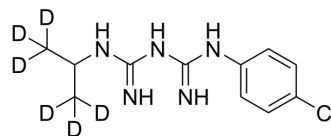


## Proguanil-d<sub>6</sub>

<b>Cat. No.:</b>	HY-B0806S		
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>10</sub> D <sub>6</sub> ClN <sub>5</sub>		
<b>Molecular Weight:</b>	259.77		
<b>Target:</b>	Parasite		
<b>Pathway:</b>	Anti-infection		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 3 mg/mL (11.55 mM)  
 DMF : ≥ 2 mg/mL (7.70 mM)  
 Ethanol : ≥ 1 mg/mL (3.85 mM)  
 DMSO:PBS (pH 7.2) (1:10) : ≥ 0.09 mg/mL (0.35 mM)  
 \* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.8496 mL	19.2478 mL	38.4956 mL
	5 mM	0.7699 mL	3.8496 mL	7.6991 mL
	10 mM	0.3850 mL	1.9248 mL	3.8496 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Proguanil-d<sub>6</sub> is the deuterium labeled Proguanil, which is a prophylactic antimalarial agent.

#### IC<sub>50</sub> & Target

Plasmodium

**Caution: Product has not been fully validated for medical applications. For research use only.**

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