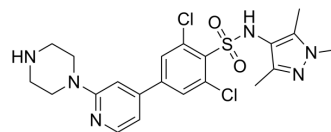


## DDD85646

Cat. No.:	HY-103056		
CAS No.:	1215010-55-1		
Molecular Formula:	C <sub>21</sub> H <sub>24</sub> Cl <sub>2</sub> N <sub>6</sub> O <sub>2</sub> S		
Molecular Weight:	495.43		
Target:	DNA/RNA Synthesis; Parasite		
Pathway:	Cell Cycle/DNA Damage; Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



## SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (201.84 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		2.0184 mL	10.0922 mL	20.1845 mL
		5 mM		0.4037 mL	2.0184 mL	4.0369 mL
10 mM			0.2018 mL	1.0092 mL	2.0184 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (5.05 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.05 mM); Clear solution</li> </ol>					

## BIOLOGICAL ACTIVITY

Description	DDD85646 is a potent inhibitor of trypanosoma brucei N-myristoyltransferase (TbNMT IC <sub>50</sub> =2 nm; hNMTIC <sub>50</sub> =4 nm). The enzyme N-myristoyltransferase (NMT) is a potential agent target for human African trypanosomiasis <sup>[1]</sup> .
IC <sub>50</sub> & Target	Trypanosoma

## REFERENCES

[1]. Spinks D, et al. Development of Small-Molecule Trypanosoma brucei N-Myristoyltransferase Inhibitors: Discovery and Optimisation of a Novel Binding Mode.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA