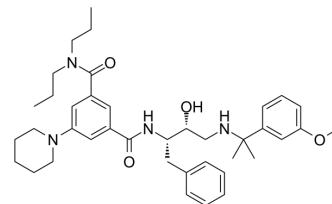


## Plm IV inhibitor-2

Cat. No.:	HY-148035
CAS No.:	1539276-38-4
Molecular Formula:	C <sub>39</sub> H <sub>54</sub> N <sub>4</sub> O <sub>4</sub>
Molecular Weight:	642.87
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Plm IV inhibitor-2 (compound 3) is a potent digestive vacuole plasmepsins IV (Plm IV) inhibitor with IC <sub>50</sub> values of 24 nM, 70 nM and 0.3 μM for Plm IV, II and I, respectively. Plm IV inhibitor-2 can be used to research malaria caused by Plasmodium parasites <sup>[1]</sup> .		
<b>IC<sub>50</sub> &amp; Target</b>	Plm IV 24 nM (IC <sub>50</sub> )	Plm II 70 nM (IC <sub>50</sub> )	Plm I 0.3 μM (IC <sub>50</sub> )

### REFERENCES

[1]. Jaudzems K, et al. Plasmepsin inhibitory activity and structure-guided optimization of a potent hydroxyethylamine-based antimalarial hit. ACS Med Chem Lett. 2014 Jan 13;5(4):373-7.

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

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