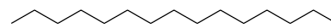


## Pentadecane

Cat. No.:	HY-N7926
CAS No.:	629-62-9
Molecular Formula:	C <sub>15</sub> H <sub>32</sub>
Molecular Weight:	212.41
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Pentadecane is a floral volatile antimalarial agent that can inhibit the growth of parasites such as Leishmania and avoid infection of macrophages. The IC<sub>50</sub>s of Pentadecane against promastigotes and amastigotes are 65.3 μM and 60.5 μM, respectively. Pentadecane also has anti-inflammatory, analgesic, and antipyretic activities<sup>[1][2]</sup>.

### REFERENCES

[1]. Okechukwu P N. Evaluation of anti-inflammatory, analgesic, antipyretic effect of eicosane, pentadecane, octacosane, and heneicosane[J]. Asian journal of pharmaceutical and clinical research, 2020, 13(4).

[2]. Bruno F, Castelli G, Migliazzo A, et al. Cytotoxic screening and in vitro evaluation of pentadecane against Leishmania infantum promastigotes and amastigotes[J]. Journal of parasitology, 2015, 101(6): 701-705.

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

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