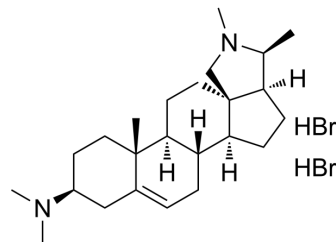


## Conessine dihydrobromide

<b>Cat. No.:</b>	HY-107566A
<b>CAS No.:</b>	5913-82-6
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>42</sub> Br <sub>2</sub> N <sub>2</sub>
<b>Molecular Weight:</b>	518.41
<b>Target:</b>	Histamine Receptor; Parasite
<b>Pathway:</b>	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling; Anti-infection
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Conessine dihydrobromide is a steroidal alkaloid and an effective, selective histamine H<sub>3</sub> receptor antagonist with K<sub>i</sub> values of 5.4, 6.0, 5.7, and 25 nM for human, dog, guinea pig, and rat H<sub>3</sub> receptors, respectively. Conessine dihydrobromide exhibits antimalarial activity and can be used in infection-related research<sup>[1][2]</sup>.

### REFERENCES

[1]. Santora VJ, et al. A new family of H<sub>3</sub> receptor antagonists based on the natural product Conessine. *Bioorg Med Chem Lett*. 2008;18(4):1490-1494

[2]. Kim H, et al. Conessine treatment reduces dexamethasone-induced muscle atrophy by regulating MuRF1 and atrogen-1 expression [published online ahead of print, 2018 Feb 1]. *J Microbiol Biotechnol*. 2018;10.4014/jmb.1711.11009

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

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