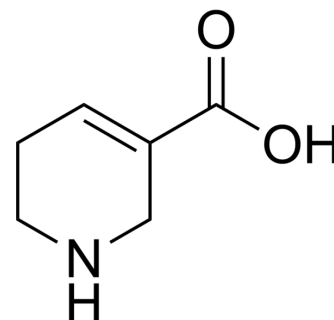


Guvacine

Cat. No.:	HY-N2482
CAS No.:	498-96-4
Molecular Formula:	C ₆ H ₉ NO ₂
Molecular Weight:	127.14
Target:	GABA Receptor
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Guvacine, an alkaloid found in the nut of Areca catechu, is a potent GABA uptake inhibitor. Guvacine inhibits rat GAT-1, rat GAT-2 and rat GAT-3 with IC ₅₀ values of 39 μM, 58 μM and 378 μM, respectively ^[1] .
IC ₅₀ & Target	IC ₅₀ : 39 μM (rat GAT-1), 58 μM (rat GAT-2), 378 μM (rat GAT-3), 14 μM (human GAT-1), 119 μM (human GAT-3) and 1870 μM (human BGT-3) ^[1]

REFERENCES

[1]. L A Borden, et al. Tiagabine, SK&F 89976-A, CI-966, and NNC-711 are selective for the cloned GABA transporter GAT-1. Eur J Pharmacol. 1994 Oct 14;269(2):219-24.

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

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