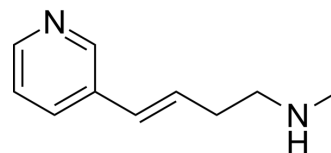


Rivanicline

Cat. No.:	HY-13225A
CAS No.:	15585-43-0
Molecular Formula:	C ₁₀ H ₁₄ N ₂
Molecular Weight:	162.23
Target:	nAChR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Rivanicline (RJR-2403; (E)-Metanicotine) is a neuronal nicotinic receptor (neuronal nicotinic receptor) agonist that is highly selective for the $\alpha 4 \beta 2$ subtype, K_i is 26 nM, which is more than 1000 times more inhibitory than $\alpha 7$ receptor^[1].

CUSTOMER VALIDATION

- Acta Pharmacol Sin. 2024 Mar 4.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Bencherif M, et al. RJR-2403: a nicotinic agonist with CNS selectivity I. In vitro characterization. J Pharmacol Exp Ther. 1996 Dec;279(3):1413-21.
- [2]. Lippiello PM, et al. RJR-2403: a nicotinic agonist with CNS selectivity II. In vivo characterization. J Pharmacol Exp Ther. 1996 Dec;279(3):1422-9.
- [3]. Damaj MI, et al. Antinociceptive and pharmacological effects of metanicotine, a selective nicotinic agonist. J Pharmacol Exp Ther. 1999 Oct;291(1):390-8.

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

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