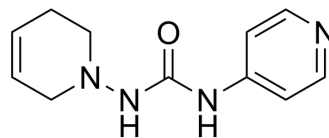


FR 64822

Cat. No.:	HY-105294
CAS No.:	102671-35-2
Molecular Formula:	C ₁₁ H ₁₄ N ₄ O
Molecular Weight:	218.26
Target:	Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	FR 64822 is a dopamine D2 receptor agonist that can induce antinociceptive activity in rats and mice by indirectly stimulating dopamine D2 receptors. FR 64822 can promote penile erection in juvenile rats and improve amnesia in rats induced by scopolamine during passive avoidance tasks ^[1] .
IC₅₀ & Target	D ₂ Receptor

REFERENCES

[1]. Ohkubo Y, et al. Involvement of dopamine in the mechanism of action of FR64822, a novel non-opioid antinociceptive compound. *Eur J Pharmacol.* 1991 Nov 5;204(2):121-5.

[2]. Maeda N, et al. A screening concept based on a hypothesis led to the development of a putative cognitive enhancer that stimulates penile erection. *Jpn J Pharmacol.* 1994 Mar;64(3):147-53.

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

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