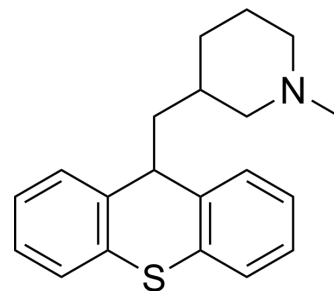


Metixene

Cat. No.:	HY-120081
CAS No.:	4969-02-2
Molecular Formula:	C ₂₀ H ₂₃ NS
Molecular Weight:	309.47
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Metixene (Piperidine) is an anticholinergic and antiparkinsonian agent. Metixene potently inhibits binding of quinuclidinyl benzilate (QNB) with the muscarinic receptor, IC ₅₀ and K _i values of 55 nM and 15 nM, respectively. Metixene can be used for the research of parkinsonian ^{[1][2][3]} .
In Vitro	Metixene can potentially inhibit the binding of QNB with the muscarinic receptor IC ₅₀ and K _i values of 55 nM and 15 nM, respectively ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- bioRxiv. 2020 May.

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REFERENCES

- [1]. Syvälahti EK, et al. Effects of antiparkinsonian drugs on muscarinic receptor binding in rat brain, heart and lung. *Pharmacol Toxicol.* 1988 Feb;62(2):90-4.
- [2]. J. Hagenah, et al. Exogenous levodopa is not toxic to elderly subjects with non-parkinsonian movement disorders: further clinical evidence. , 106(3-4), 301-307. doi:10.1007/s007020050159
- [3]. S L Levin, et al. Dualism in the effect of cholinolytics upon the human parotid gland deprived of parasympathetic control. *Int J Clin Pharmacol Res.* 1986;6(5):429-39.

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

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