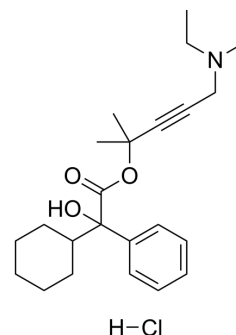


## Temiverine hydrochloride

Cat. No.:	HY-U00055
CAS No.:	136529-33-4
Molecular Formula:	C <sub>24</sub> H <sub>36</sub> ClNO <sub>3</sub>
Molecular Weight:	422
Target:	mAChR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Temiverine hydrochloride is a synthesized agent that is expected to have anticholinergic action. Temiverine hydrochloride is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
IC <sub>50</sub> & Target	Anticholinergic <sup>[1]</sup>
In Vitro	Atropine (1 nM to 1 μM), Oxybutynin (10 nM to 10 μM), Temiverine (10 nM to 10 μM), and RCC-36 (10 nM to 1 μM) cause a parallel shift to the right of the concentration-response curves to acetylcholine stimulation <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Kikukawa H, et al. Pharmacologic actions of temiverine (p-INN) and its active metabolite, RCC-36, on isolated human urinary bladder muscle. Int J Urol. 1998 May;5(3):268-75.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA