
Product Data Sheet

Product Name: Temiverine hydrochloride

Cat. No.: GC31004

Chemical Properties

Cas. No. 136529-33-4

SMILES O=C(OC(C)(C)C#CCN(CC)CC)C(O)(C1CCCCC1)C2=CC=CC=C2.[H]ClFormula $C_{24}H_{36}ClNO_3$ M.Wt 422

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Temiverine hydrochloride is a synthesized drug that is expected to have anticholinergic action.

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[1].

[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.

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