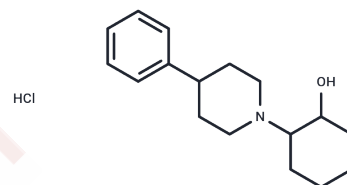


## rel-(1R,2R)-Vesamicol Hydrochloride

## Chemical Properties

CAS No. :	120447-62-3
Formula:	C <sub>17</sub> H <sub>26</sub> ClNO
Molecular Weight:	295.85
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	rel-(1R,2R)-Vesamicol Hydrochloride is an isomer of Vesamicol Hydrochloride and can be employed in biochemical experiments.
Targets(IC50)	AChR, Sigma receptor

## Solubility Information

Solubility	Ethanol: < 5.92 mg/mL, Sonication is recommended. DMSO: 18.7 mg/mL (63.21 mM), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.76 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3801 mL	16.9005 mL	33.8009 mL
5 mM	0.676 mL	3.3801 mL	6.7602 mL
10 mM	0.338 mL	1.690 mL	3.3801 mL
50 mM	0.0676 mL	0.338 mL	0.676 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

S M Eface, et al. N-hydroxyalkyl derivatives of 3 beta-phenyltropane and 1-methylspiro[1H-indoline-3,4'-piperidine]: vesamicol analogues with affinity for monoamine transporters. J Med Chem. 1997 Nov 21;40(24):3905-14.

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