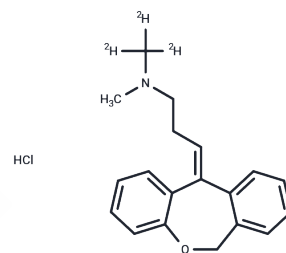


## Doxepin-D3 hydrochloride

## Chemical Properties

CAS No. :	347840-07-7
Formula:	C <sub>19</sub> H <sub>22</sub> ClNO
Molecular Weight:	318.86
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	Doxepin-D3 hydrochloride is a deuterium-labeled Doxepin Hydrochloride (TMSM-1071). Doxepin hydrochloride is an oral active tricyclic antidepressant used as a sedative. Doxepin hydrochloride is also an effective CYP450 inhibitor, significantly inhibiting CYP450 2C19 and 1A2. Doxepin hydrochloride is an effective selective histamine receptor H1 antagonist.
Targets(IC50)	Histamine Receptor, Cytochromes P450

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1362 mL	15.6809 mL	31.3617 mL
5 mM	0.6272 mL	3.1362 mL	6.2723 mL
10 mM	0.3136 mL	1.5681 mL	3.1362 mL
50 mM	0.0627 mL	0.3136 mL	0.6272 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

Hajak, G., et al., Doxepin in the treatment of primary insomnia: a placebo-controlled, double-blind, polysomnographic study. *J Clin Psychiatry*, 2001. 62(6): p. 453-63.

Gillman PK1. Tricyclic antidepressant pharmacology and therapeutic drug interactions updated. *Br J Pharmacol*. 2007 Jul;151(6):737-48.

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