

## Norverapamil-D7 hydrochloride

## Chemical Properties

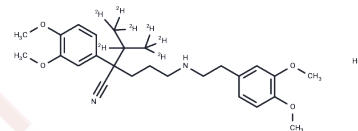
CAS No. : 1216413-74-9

Formula: C<sub>26</sub>H<sub>37</sub>ClN<sub>2</sub>O<sub>4</sub>

Molecular Weight: 484.08

Storage: Keep away from moisture  
Store at -20°C

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Norverapamil-D7 hydrochloride is a 2H-labeled Norverapamil hydrochloride (TMSM-3613), a calcium channel blocker and P-glycoprotein (P-gp) inhibitor, used in cardiovascular and neurodegenerative disease research.
Targets(IC50)	Calcium Channel,P-gp

## Solubility Information

Solubility	H <sub>2</sub> O: 10 mg/mL (20.66 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0658 mL	10.3289 mL	20.6577 mL
5 mM	0.4132 mL	2.0658 mL	4.1315 mL
10 mM	0.2066 mL	1.0329 mL	2.0658 mL
50 mM	0.0413 mL	0.2066 mL	0.4132 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

- Adams KN, et al. Verapamil, and its metabolite norverapamil, inhibit macrophage-induced, bacterial efflux pump-mediated tolerance to multiple anti-tubercular drugs. *J Infect Dis.* 2014 Aug 1;210(3):456-66.
- Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.

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