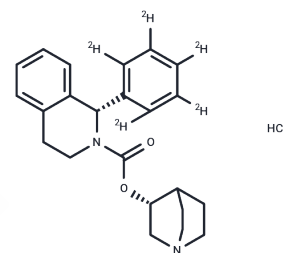


## Solifenacin-D5 hydrochloride

## Chemical Properties

CAS No. :	1426174-05-1
Formula:	C <sub>23</sub> H <sub>27</sub> ClN <sub>2</sub> O <sub>2</sub>
Molecular Weight:	403.96
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	Solifenacin-D5 hydrochloride is a deuterium-labeled Solifenacin hydrochloride (T23379), which acts as an antagonist of muscarinic receptors with pK <sub>i</sub> s of 7.6, 6.9, and 8.0 for M <sub>1</sub> , M <sub>2</sub> , and M <sub>3</sub> receptors, respectively.
Targets(IC <sub>50</sub> )	AChR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4755 mL	12.3775 mL	24.7549 mL
5 mM	0.4951 mL	2.4755 mL	4.951 mL
10 mM	0.2475 mL	1.2377 mL	2.4755 mL
50 mM	0.0495 mL	0.2475 mL	0.4951 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

Ikeda K, et al. M<sub>3</sub> receptor antagonism by the novel antimuscarinic agent solifenacin in the urinary bladder and salivary gland. *Naunyn Schmiedeberg's Arch Pharmacol.* 2002 Aug;366(2):97-103.

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481