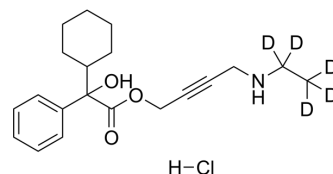


## N-Desethyl Oxybutynin-d<sub>5</sub> hydrochloride

<b>Cat. No.:</b>	HY-135407S
<b>CAS No.:</b>	1173018-49-9
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>23</sub> D <sub>5</sub> ClNO <sub>3</sub>
<b>Molecular Weight:</b>	370.93
<b>Target:</b>	Drug Metabolite; Isotope-Labeled Compounds
<b>Pathway:</b>	Metabolic Enzyme/Protease; Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	N-Desethyl Oxybutynin-d <sub>5</sub> (hydrochloride) is deuterium labeled N-Desethyl Oxybutynin hydrochloride. N-Desethyl Oxybutynin is the the active metabolite Oxybutynin. Oxybutynin is an anticholinergic agent that inhibits voltage-dependent K <sup>+</sup> channels[1].
<b>In Vitro</b>	Oxybutynin is an anticholinergic agent, which inhibits vascular K <sub>v</sub> channels in a concentration-dependent manner, with an IC <sub>50</sub> of 11.51 μM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Li H, The anticholinergic drug oxybutynin inhibits voltage-dependent K<sup>+</sup> channels in coronary arterial smooth muscle cells. Clin Exp Pharmacol Physiol. 2019 Nov;46(11):1030-1036.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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