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**Product Data Sheet**

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Product Name: N-Desethyl Oxybutynin D5 hydrochloride

Cat. No.: GC61115

**Chemical Properties**

Cas. No. 1173018-49-9

SMILES O=C(OCC#CCNC([2H])([2H])C([2H])([2H])[2H])C(C1CCCCC1)(O)C2=CC=CC=C2.[H]ClFormula  $C_{20}H_{23}D_5ClNO_3$  M.Wt 370.93

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

N-Desethyl Oxybutynin D5 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].

Oxybutynin is an anticholinergic agent, which inhibits vascular Kv channels in a concentration-dependent manner, with an IC<sub>50</sub> of 11.51 μM[1].

[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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