

Product Data Sheet

Product Name: Oxybutynin chloride

Cat. No.: GC14703

Chemical Properties

Cas. No. 1508-65-2

Chemical Name 4-(diethylamino)but-2-ynyl 2-cyclohexyl-2-hydroxy-2-phenylacetate;hydrochloride

SMILES CCN(CC)CC#CCOC(=O)C(C1CCCCC1)(C2=CC=CC=C2)O.Cl

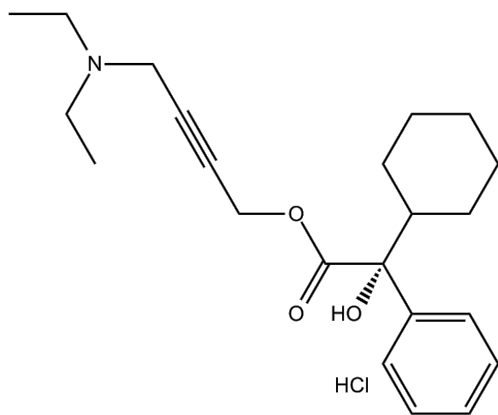
Formula C22H32ClNO3 M.Wt 393.95

Solubility $\geq 19.7\text{mg/mL}$ in DMSO 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



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

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Background

Oxybutynin chloride is an anticholinergic agent, which inhibits vascular Kv channels in a concentration-dependent manner, with an IC₅₀ of 11.51 μ M[1].

References:

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

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