

Product Data Sheet

Product Name: Trospium-d8 (chloride)

Cat. No.: GC48209

Chemical Properties

Cas. No. N/A

SMILES O=C(C(C1=CC=CC=C1)(O)C2=CC=CC=C2)OC3C[C@]([N+](=O)[O-])C4([2H])([2H])C([2H])([2H])C([2H])([2H])C4([2H])([2H])([H])CC[C@@]5([H])C3.[Cl-]

Formula C₂₅H₂₂D₈NO₃.Cl M.Wt 436

Solubility DMSO: soluble 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.

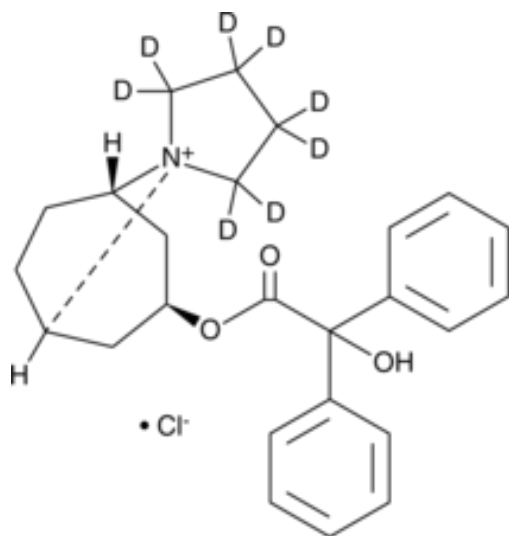
Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Structure



Background

Trospium-d₈ is intended for use as an internal standard for the quantification of trospium by GC- or LC-MS. Trospium is an antagonist of muscarinic (M) receptors (K_i s = 0.50-2.3 nM for human M₁₋₅ recombinant receptors, respectively).¹ Formulations containing antimuscarinics, including trospium, are used to manage overactive bladder by relieving urgency, frequency, and incontinence.^{1,2,3}

1.Hegde, S.S.Muscarinic receptors in the bladder: From basic research to therapeuticsBr. J. Pharmacol.147(2)S80-S87(2006) 2.Maggiore, U.L.R., Salvatore, S., Alessandri, F., et al.Pharmacokinetics and toxicity of antimuscarinic drugs for overactive bladder treatment in femalesExpert Opin.Drug Metab.Toxicol.8(11)1387-1408(2012) 3.Michel, M.C., and de la Rosette, J.J.M.C.H.Role of muscarinic receptor antagonists in urgency and nocturiaBJU Int.96(Suppl 1)37-

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