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Produktinformation

- Forschungsprodukte & Biochemikalien
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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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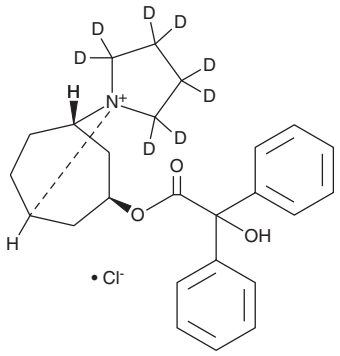
PRODUCT INFORMATION

Trospium-d_8 (chloride)

Item No. 26686

Formal Name:	(1R,3s,5S)-3-(2-hydroxy-2,2-diphenylacetoxy)spiro[bicyclo[3.2.1]octane-8,1'-pyrrolidin]-8-ium-2',2',3',3',4',4',5',5'-d_8, monochloride
Synonym:	Relaspium-d_8
MF:	$C_{25}H_{22}D_8NO_3 \bullet Cl$
FW:	436.0
Chemical Purity:	≥98% (Trospium)
Deuterium Incorporation:	≥99% deuterated forms (d_1-d_8); ≤1% d_0
Supplied as:	A solid
Storage:	-20°C
Stability:	≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Trospium-d_8 (chloride) is intended for use as an internal standard for the quantification of trospium (Item No. 21279) by GC- or LC-MS. The accuracy of the sample weight in this vial is between 5% over and 2% under the amount shown on the vial. If better precision is required, the deuterated standard should be quantitated against a more precisely weighed unlabeled standard by constructing a standard curve of peak intensity ratios (deuterated *versus* unlabeled).

Trospium-d_8 (chloride) is supplied as a solid. A stock solution may be made by dissolving the trospium-d_8 (chloride) in the solvent of choice. Trospium-d_8 (chloride) is soluble in the organic solvent DMSO, which should be purged with an inert gas.

Description

Trospium is an antagonist of muscarinic (M) receptors (K_is = 0.50-2.3 nM for human M_{1-5} recombinant receptors, respectively).[1] Formulations containing antimuscarinics, including trospium, are used to manage overactive bladder by relieving urgency, frequency, and incontinence.[1-3]

References

1. Hegde, S.S. Muscarinic receptors in the bladder: From basic research to therapeutics. *Br. 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 females. *Expert 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 nocturia. *BJU Int.* **96(Suppl 1)**, 37-42 (2005).

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