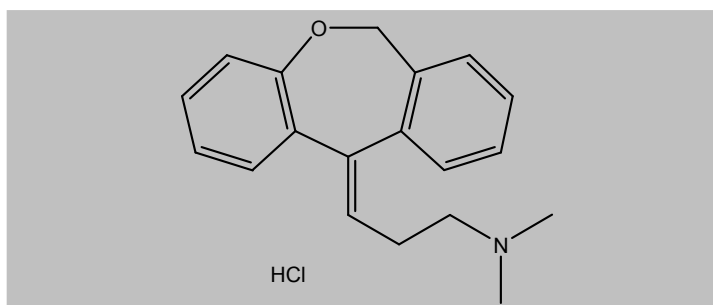


Certificate Of Analysis
Quality Control Testing and Research ApplicationCOA Preparation Date: 19/09/2013
COA Revision Date: 19/09/2016

Product: Doxepin hydrochloride
Cat. No.: BG0175
Batch No.: 0175BG/01
Chemical Name: 11-(3-(Dimethylamino)propylidene)-6,11-dihydrodibenz[b,e]oxepin hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₂₁NO .HCl
Batch Molecular Weight: 315.84
CAS No.: [1229-29-4]
Physical Appearance: White or almost white crystalline powder
Melting Point: 187 - 188° C
Solubility: Soluble to 100 mM in water
Storage: RT
Batch Molecular Structure:



Product Description: **Highly potent H₁ Histamine receptor antagonist (K_D = 0.24 nM, human brain) and tricyclic antidepressant. Also binds to the H₄ Histamine receptor (K_i = 162 nM).**

References: 1. Richelson and Nelson (1984) Eur J Pharmacol 103:197; 2. Nguyen et al. (2001) Mol Pharmacol 59:427

- CAUTION - Not fully tested. For Research use only. Not for human use. -

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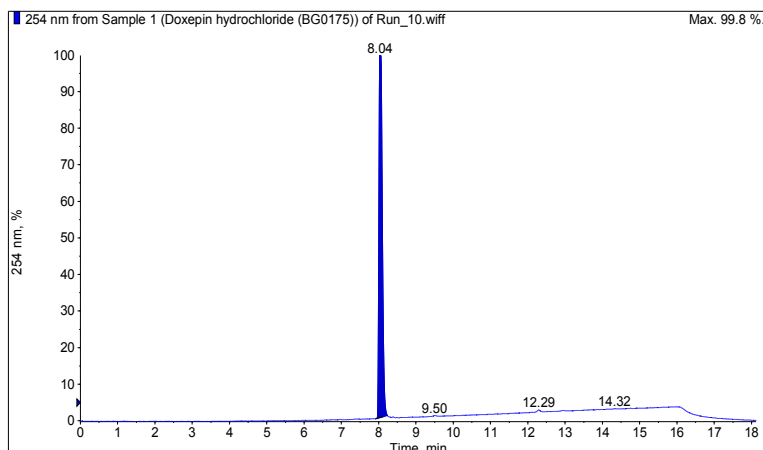
BG0175 Doxepin hydrochloride

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Loss on drying: 0.35% (complies); Sulphated ash: < 0.07% (complies); Heavy Metals: < 20 ppm (complies); HPLC Assay: 99.73% (complies).



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