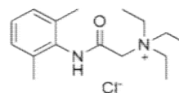


# Certificate of Analysis



## Product Identification

**Catalog number** HB1030  
**Compound name** QX314 chloride  
**Chemical name** N-(2,6-Dimethylphenylcarbamoylmethyl)triethylammonium chloride



**Batch number** E0263-1-1  
**Batch molecular formula** C<sub>16</sub>H<sub>27</sub>N<sub>2</sub>OCl  
**Batch molecular weight** 298.86

## Method

## QC requirement

## QC Result

<b>HPLC</b>	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
<b>NMR</b>	<sup>1</sup> H NMR in DMSO at 400 MHz consistent with structure	Meets specification
<b>Mass spectrum</b>	Electrospray positive analysis consistent with structure	Meets specification
<b>Microanalysis</b>	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
<b>TLC</b>	TLC analysis in 10% MeOH/DCM shows one spot under uv	Meets specification: R <sub>f</sub> =0.73
<b>Physical appearance</b>	White to off white solid	Meets specification: White Solid
<b>Solubility</b>	Soluble in water (100 mM)	Meets specification

**Produced by** Huw Davies

Signature

**Passed by** Steve Roome

Signature

Date

27-02-16

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

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