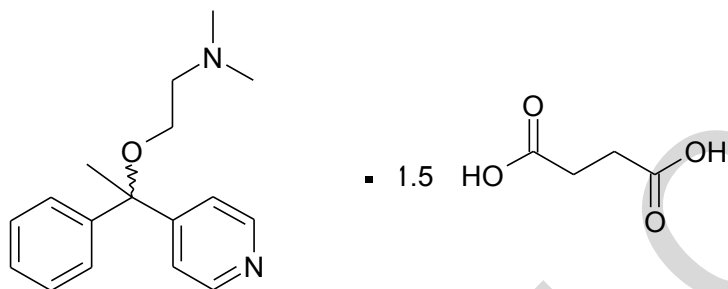


Certificate of Analysis

*Revised 1 September 2015

Structure:



Name	<i>N,N</i> -dimethyl-2-((1 <i>RS</i>)-1-phenyl-1-(pyridin-4-yl)ethoxy)ethanamine sesquisuccinate*
BP Name	Doxylamine Succinate Impurity A sesquisuccinate*
Synonym(s)	(<i>RS</i>)- <i>N,N</i> -dimethyl-2-(1-phenyl-1-(pyridin-4-yl)ethoxy)ethanamine sesquisuccinate*
Epichem Item #	EPL-AA76 Batch 1
CAS #	Not available (free base: 873407-01-3)*
Molecular Formula	C ₁₇ H ₂₂ N ₂ O.1.5C ₄ H ₆ O ₄
Molecular Weight	447.51 g/mol
Purity	99.3% (weight/weight) 99.8% by HPLC at 206nm and 254nm (assuming all components detected with the same response factor). ¹ H NMR analysis showed trace pentane and chloroform. 0.2% water by Karl-Fischer method. 0.3% ash.
Combustion Analysis	Required (%): C:61.7; H:7.0; N:6.3. Found (%): C:62.2; H:7.0; N:6.2.
Appearance	Off-white powder
Melting Point	113-115°C
Date of Manufacture	25 October 2010
Storage Requirements	Protect from heat, light and moisture
Special Precautions	This compound is for laboratory use only. Its toxicological properties may not have been fully established. It should be handled only by suitably qualified personnel.

John Moursounidis
Head of Production
1 September 2015