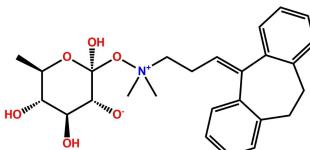


## CERTIFICATE OF ANALYSIS

Date: 13-02-2026

<b>Product Name</b>	Amitriptyline N-Glucuronide		
<b>Chemical Name</b>	3-(10,11-Dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)-N-b-D-glucopyranuronosyl-N,N-dimethyl-1-propanaminium Inner Salt		
<b>Structure</b>	 <p>The chemical structure shows a complex molecule. It features a tricyclic core consisting of a benzene ring fused with a cycloheptenone ring, which is further fused with a benzene ring. The cycloheptenone ring has a double bond between the 5 and 6 positions. Attached to the 3-position of the core is a side chain: a methylene group (CH2) followed by a propyl group (CH2-CH2-CH3). The propyl group is substituted with a dimethylaminium group (N+(CH3)2) and a glucopyranuronosyl group. The glucopyranuronosyl group is a pentose sugar derivative linked via its anomeric hydroxyl group to the nitrogen of the dimethylaminium group. The molecule also contains several hydroxyl groups (OH) and a methyl group (CH3).</p>		
<b>Batch. No.</b>	-	<b>CAS No.</b>	112806-33-4
<b>Analysis Date</b>	-	<b>Retest Date</b>	-
<b>Mol. Formula</b>	C <sub>19</sub> H <sub>21</sub> N	<b>Molecular Wt.</b>	453.5
<b>Long term Storage Condition</b>	Store at 2-8 °C in well closed container		
<b>Handling and Transit Condition</b>	25-30 °C in well closed container		

Test	Result
Appearance	-
Solubility	-
1H-NMR	Conforms to structure
MASS	Conforms to structure
Chromatographic Purity	>90%

**Note:** This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.

	Prepared By	Checked By	Approved By
<b>Signature</b>			
<b>Date</b>			

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