



CERTIFICATE OF ANALYSIS

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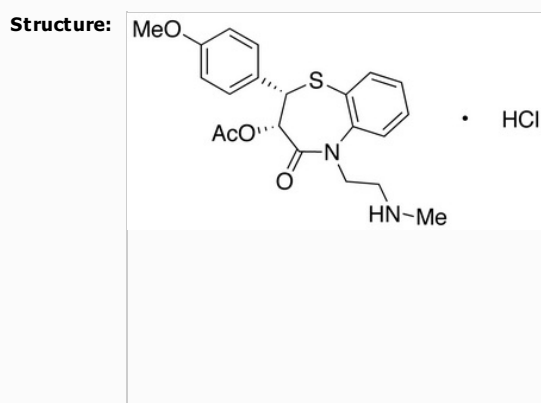
1. Identification

Catalogue Number: D291610

CAS Number: 130606-60-9

Product: N-Desmethyl Diltiazem Hydrochloride

Synonym: (2S-cis)-3-(Acetyloxy)-2,3-dihydro-2-(4-methoxyphenyl)-5-[2-(methylamino)ethyl]-1,5-benzothiazepin-4(5H)-one Monohydrochloride; N-Demethyldiltiazem;



Molecular Formula:

C₂₁H₂₄N₂O₄S • HCl

Molecular weight:

400.49 + 36.46

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Slightly), Water
(Slightly)

Lot Number: 2-CYJ-134-1

Purity: 95%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 56.08, %H: 5.64, %N: 6.14
MS	Conforms to Structure	Conforms
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Neha Khanna	Toni Rantanen	Chanell Chu	1/7/2022	1/5/2026