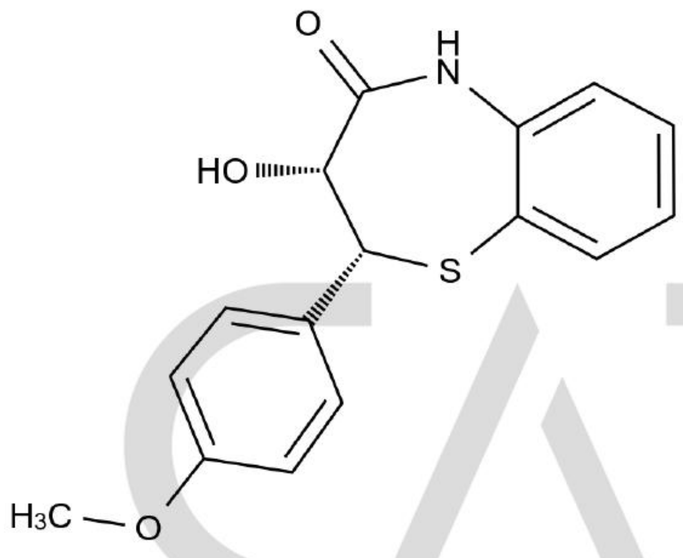
Certificate of Analysis

Reference Material & Standard

Product Name:	Diltiazem Impurity 21	**Catalogue Number:**	C4X-136821
Synonyms:	N/A	**Lot Number:**	0917-RH-0079
CAS Number:	42399-51-9	**Expiry Date:**	Sep 20, 2030
Molecular Formula:	$C_{16}H_{15}NO_3S$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	301.36	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.6%
Assay	qNMR	98.9%

CATO Research Chemicals Inc.

Signature:

Prepared by: Alice Date: Sep 21, 2026

Reviewed by: Koi Date: Sep 21, 2026

Approved by General Manager: David Date: Sep 21, 2026

CATO Research Chemicals Inc.