

Certificate of Analysis

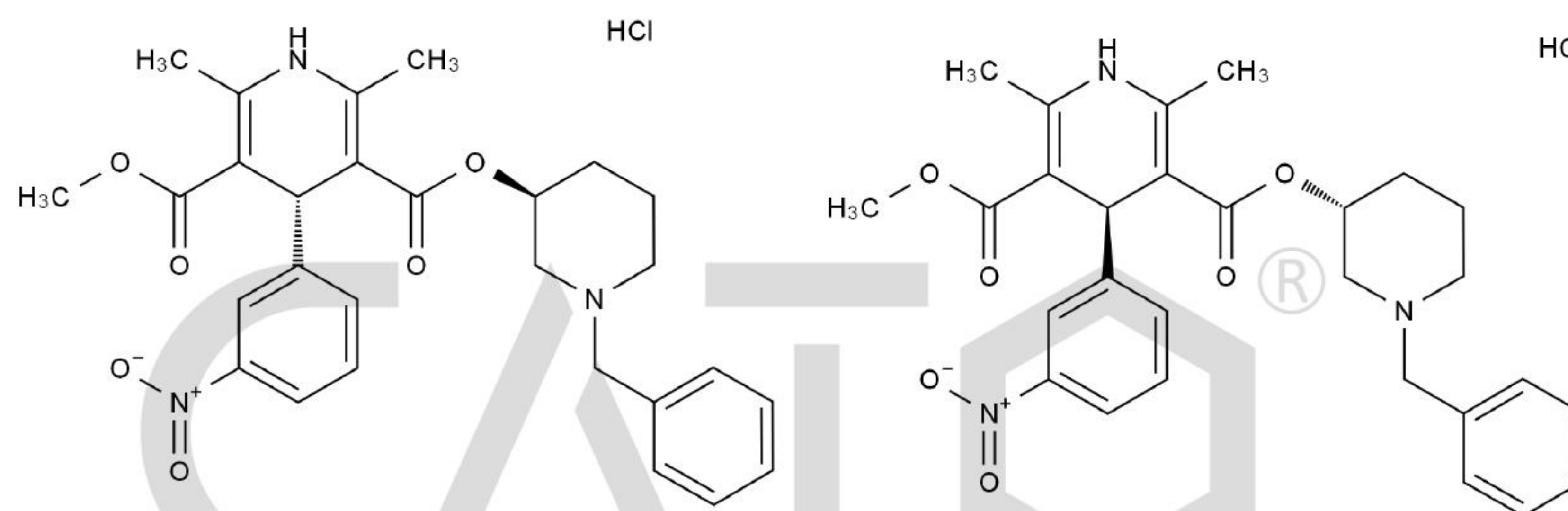
Reference Material & Standard

Product Name:	(3R,4'S)&(3S,4'R)-Benidipine HCl	Catalogue Number:	CP152609
Synonyms:	β-Benidipine Isomer HCl	Lot Number:	0818-RG-0057
CAS Number:	91599-76-7	Expiry Date:	Aug 18, 2029
Molecular Formula:	C ₂₈ H ₃₂ ClN ₃ O ₆	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	2*505.56 2*36.46	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	98.518%
Loss On Drying	TGA	0.0260%
Assay		98.5%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Dec 30, 2025

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Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

Page 1 of 9



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