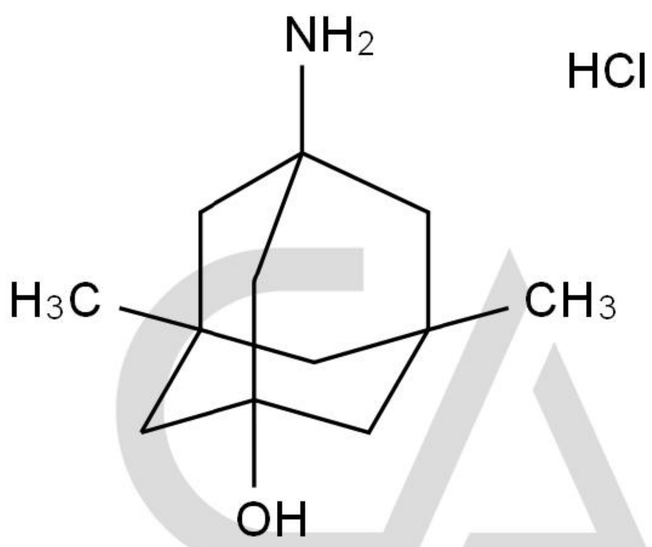
Certificate of Analysis

Reference Material & Standard

Product Name:	Memantine Related Compound F HCl	**Catalogue Number:**	C4X-10586
Synonyms:	N/A	**Lot Number:**	0930-RH-0003
CAS Number:	356572-08-2	**Expiry Date:**	Sep 28, 2030
Molecular Formula:	$C_{12}H_{21}NO$ HCl	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	195.30 36.46	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	99.8218%
Loss on Drying	TGA	0.508%
Assay	Mass Balance	99.3%

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Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss on Drying) * Purity ELSD (%) /100%*
Loss on Drying is considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by: Date: Sep 30, 2026

Reviewed by: Date: Sep 30, 2026

Approved by General Manager: Date: Sep 30, 2026

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