

Certificate of Analysis

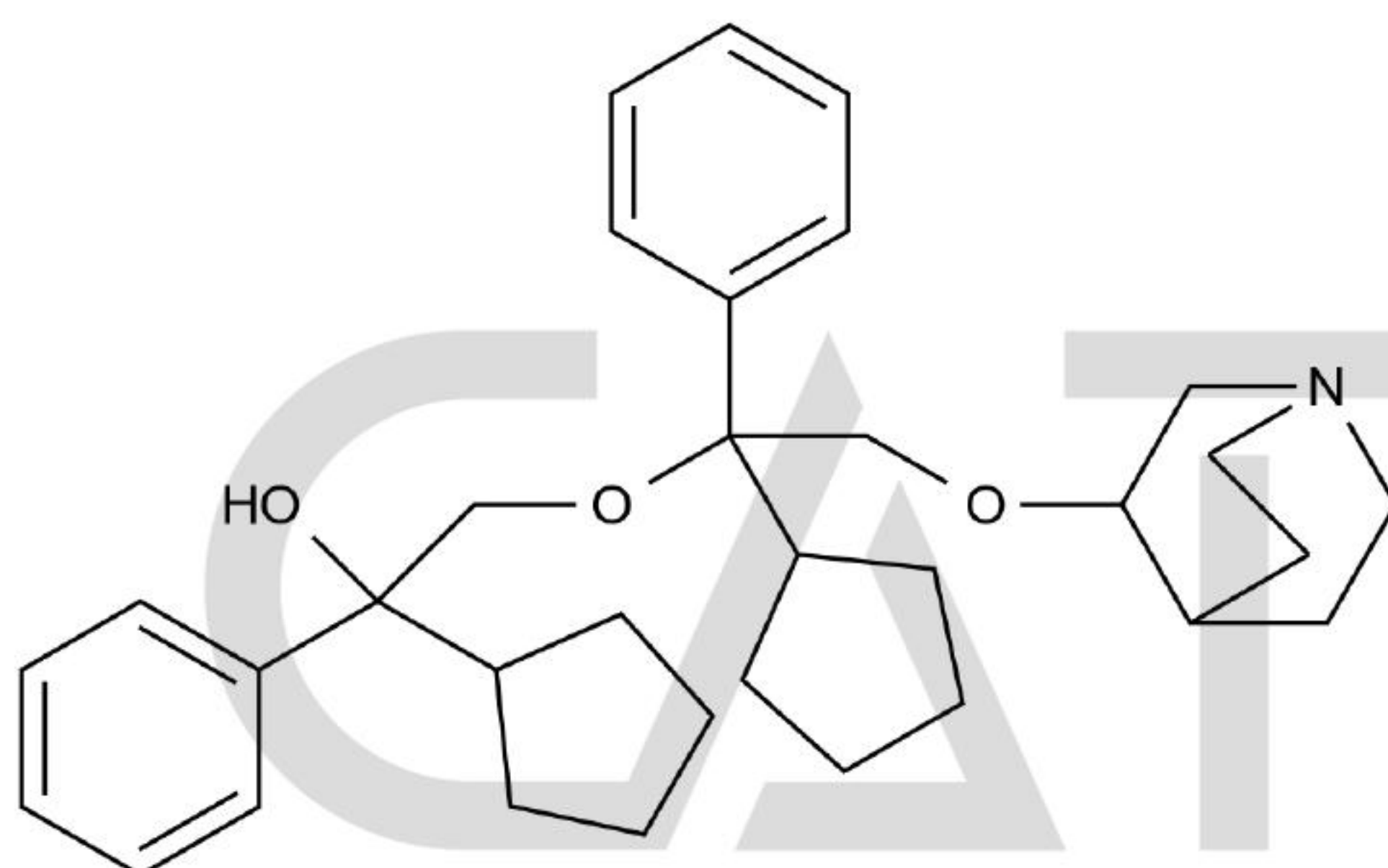
Reference Material & Standard

Product Name:	Penehyclidine Impurity 3	Catalogue Number:	C3D-1446
Synonyms:	N/A	Lot Number:	1121-RG-0019
CAS Number:	2091937-84-5	Expiry Date:	Nov 19, 2029
Molecular Formula:	C ₃₃ H ₄₅ NO ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	503.72	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.2333%
Loss On Drying	TGA	0.721%
Assay		97.5%

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:

Hin lam

Reviewed by:

Yuki-i

Approved by General Manager:

David

Date: Nov 21, 2025

Date: Nov 24, 2025

Date: Nov 24, 2025



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>

