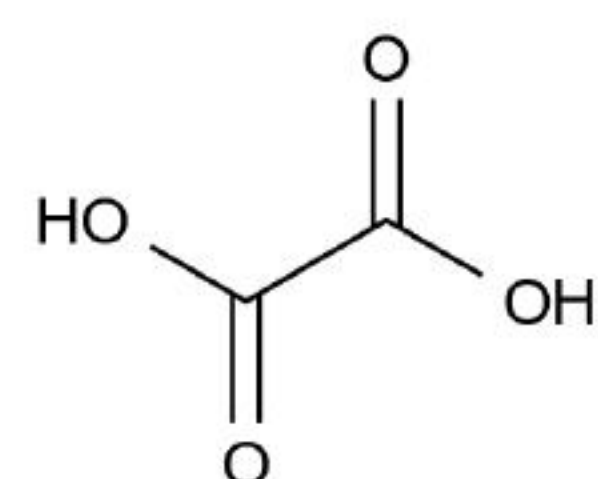


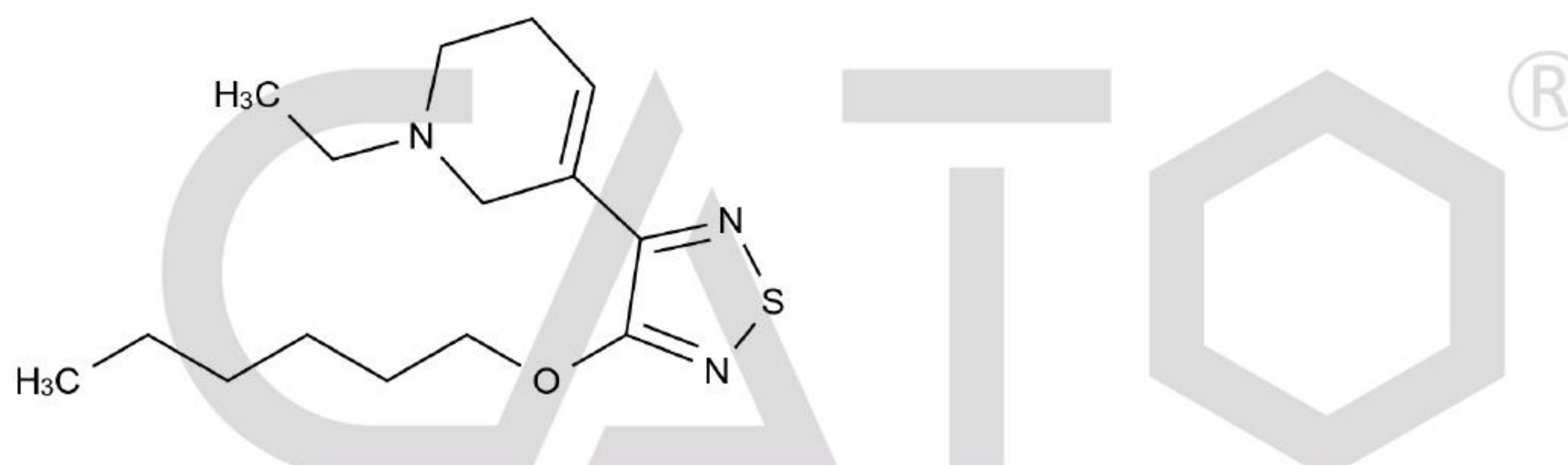
Certificate of Analysis

Reference Material & Standard

Product Name:	Xanomeline Impurity 20	Catalogue Number:	C4X-330120
Synonyms:	N/A	Lot Number:	1104-RG-0050
CAS Number:	N/A	Expiry Date:	Nov 24, 2029
Molecular Formula:	C ₁₅ H ₂₅ N ₃ OS C ₂ H ₂ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	295.44 90.03	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile		



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	99.227%
Loss On Drying	TGA	0.2045%
Assay		99.0%

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: Nov 25, 2025

Date: Nov 25, 2025

Date: Nov 25, 2025



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