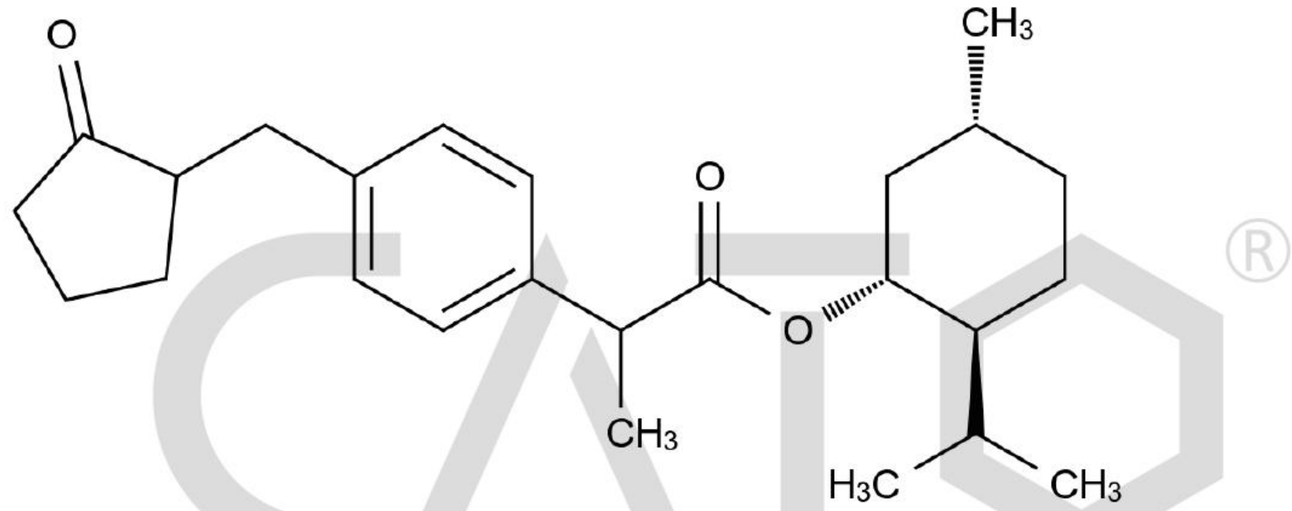
Certificate of Analysis

Reference Material & Standard

Product Name:	Loxoprofen Impurity 25	**Catalogue Number:**	C4X-148825
Synonyms:	[(1R,2S,5R)-5-methyl-2-propan-2-ylcyclohexyl] 2-[4-[(2-oxocyclopentyl)methyl]phenyl]propanoate	**Lot Number:**	0901-RH-0035
CAS Number:	1091621-63-4	**Expiry Date:**	Sep 22, 2030
Molecular Formula:	$C_{25}H_{36}O_3$	**Storage:**	2°C ~ 8°C Sealed
Molecular Weight:	384.56	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Soluble in Acetonitrile and DMSO	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Sticky Solid
Identification	GCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.653%
Residue on Ignition	TGA	0.3550%
Loss on Drying	TGA	0.0848%
Assay	qNMR	99.5%
Assay	Mass Balance	99.2%

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Comment:

1. The retest date of this product is Sep 22, 2029.

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

*Assay (%) = (100%-Residue on Ignition-Loss on Drying) * Purity HPLC (%) /100%*

Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Koi Date: Sep 23, 2026

Reviewed by: Alice Date: Sep 23, 2026

Approved by General Manager: David Date: Sep 23, 2026

CATO Research Chemicals Inc.