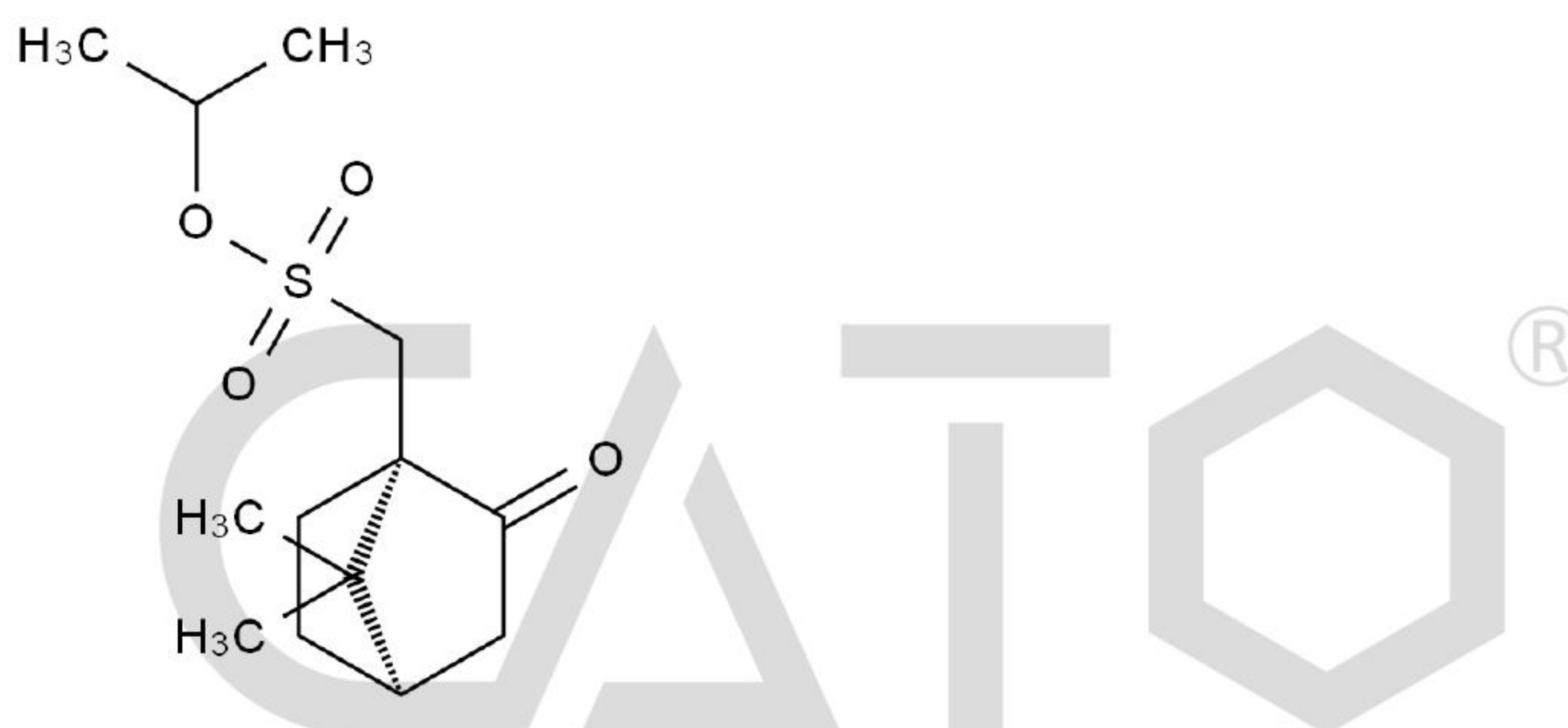


Certificate of Analysis

Reference Material & Standard

Product Name:	Isopropyl (1S)-(+)-10-Camphorsulfate	Catalogue Number:	CCHM702326
Synonyms:	N/A	Lot Number:	0427-RE-0071
CAS Number:	247078-58-6	Expiry Date:	Dec 10, 2028
Molecular Formula:	C ₁₃ H ₂₂ O ₄ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	274.38	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	GC	100.0%
Assay	qNMR	98.5%
Uncertainty		±0.5%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Lisa

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Jan 27, 2026

Date: Jan 27, 2026

Date: Jan 27, 2026



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