

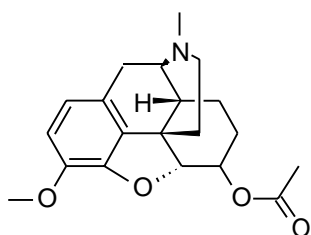
REFERENCE MATERIAL

Certificate no.: 15931.20

1. Description of the reference material (RM)

1.1. General product data

Catalogue #:	C15931.20
Product name:	Dihydrothebacon
Chemical name:	(5 α ,6 α)-4,5-epoxy-3-methoxy-17-methyl-morphinan-6-yl acetate
Synonym:	Acetyldihydrocodeine; Acetylcodeine; Dihydrocodeine 6-acetate
Long-term storage:	-20 °C \pm 5 °C. Protect from air and light.
Short-term storage:	This product is suitable for transit at ambient temperatures.
CAS #:	[3861-72-1]
Molecular formula:	C ₂₀ H ₂₅ NO ₄
Molecular weight (g/mol):	343.42
Structure:	



1.2. Batch specific data

Batch #:	3207509
Chromatographic purity:	$\geq 95 \% \pm 0,09\%$

1.3. Chemical analysis

Analysis/Calculation	Method #	Results
Chromatographic purity:	Internal	$\geq 95 \% \pm 0,09\%$
Identity:	Internal	Complies
Structural confirmation by NMR:	Internal	Complies

2. General information

2.1. Intended use of the RM

This reference material is intended for laboratory use only. It may be used for identification, quality control, calibration or assigning values. A reference material should only be used for a single purpose in a given measurement. It is not suitable for human or animal consumption.

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2.2. Instruction for use of the RM

Allow the RM to reach room temperature before use. Where applicable, it is recommended to invert the vial several times to achieve homogeneity before opening.

If storage is required after opening, make sure to close the cap tightly and keep away from light and moisture.

This product is supplied with an overfill to assist recovery of the specified quantity. Users should quantitatively transfer the desired amount and dissolve with an appropriate solvent. It is recommended to correct for both net purity, and salt/conjugated acid where applicable.

2.3. Metrological traceability

All weights, volumes and temperatures are controlled daily using in-house procedures that are controlled against traceable masters according to requirements in ISO/IEC 17025.

2.4. Retest/expiry information

The next retest date is based on current knowledge and on the unopened container being stored according to the recommended storage conditions stated in this document. Warranty can only be guaranteed when following these storage recommendations.

2.5. Safety

All reference materials should be considered potentially hazardous and should only be used by qualified laboratory personnel. Users should minimize their exposure and use appropriate personal protective equipment when handling. Please consult the Safety Data Sheet (SDS) for detailed information. They are available online at www.chiron.no.