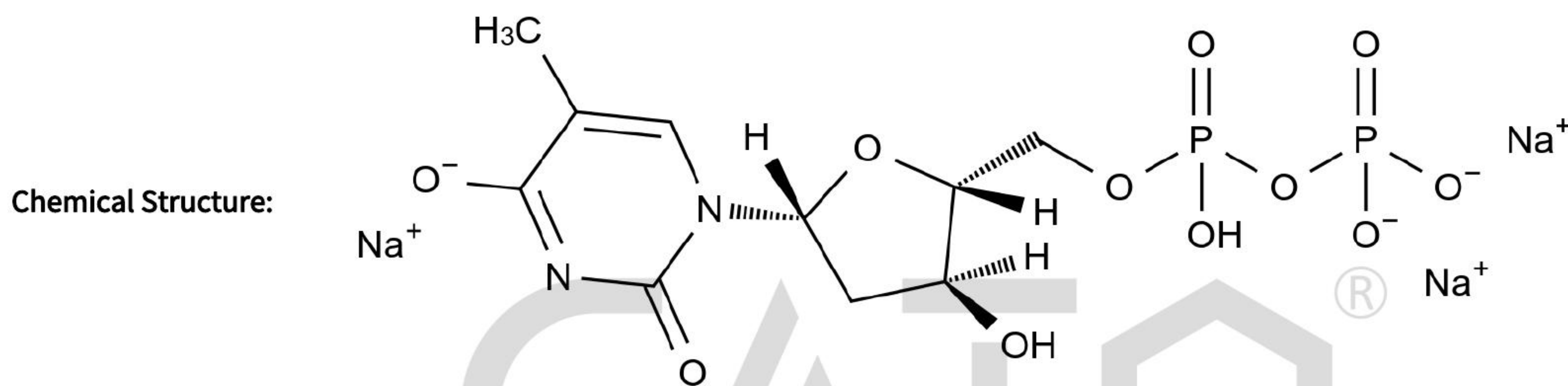


Certificate of Analysis

Reference Material

Product Name:	Thymidine 5'-diphosphoric acid trisodium salt	Catalogue Number:	CS447711
Chemical Name:	N/A	Lot Number:	1009-RD-0040
CAS Number:	95648-78-5	Expiry Date:	Oct 11, 2026
Molecular Formula:	C ₁₀ H ₁₃ N ₂ O ₁₁ P ₂ 3*Na	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	399.16 3*22.99		



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	85.3%
Assay	qNMR	84.6%
Uncertainty		±2.0%

Comment:

1. Assay was determined by quantitative ¹H-NMR.

Thymidine 5'-diphosphoric acid trisodium salt is mixture of Diastereomers.

2. 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:

Debia

Reviewed by:

Xenia

Aproved by General manager:

David

Date: Oct 12, 2022

Date: Oct 13, 2022

Date: Oct 13, 2022

