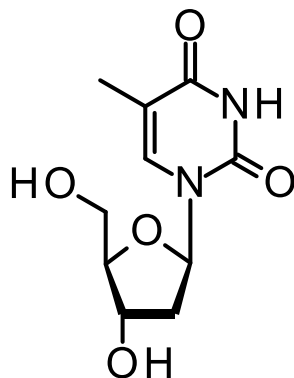


Catalog Number: **RCTT2300**

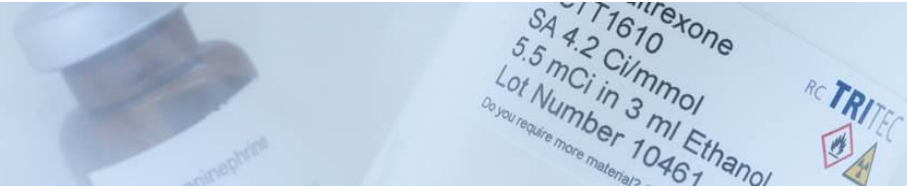


242.23 g/mol
C₁₀H₁₄N₂O₅

[H-3] Thymidine

CAS-Number: 50-89-5

Description: Precursor for the synthesis of DNA and cell synchronizing agent. Inhibits DNA synthesis and arrests the cell cycle at the G1/S boundary.



- Packing/Concentration:** 1.0 mCi/ml (37 MBq/ml) in water. Shipped on dry ice.
- Radiochemical Purity:** The radiochemical purity after purification was determined to be > 97%.
- Specific Activity Range:** 5-50 Ci/mmol (185-1850 GBq/mmol)
- Stability/Storage:** The initial rate of degradation of this compound, stored as received, at temperatures below -60 °C in the dark, is currently under investigation. The decomposition of the compound is not linear or related to isotope half-life. Deviations of different lots may occur.

Lot specific information:

Lot Number:	11151
Specific activity:	44.0 Ci/mmol 1628 GBq/mmol
Purification Date:	01.11.2024
Day of Analysis:	01.11.2024

Note: The compound was isolated from the HPLC eluent under neutral conditions by solid phase extraction. The mass spectrum is consistent with the proposed structure and a non-labeled reference; the HPLC retention time is consistent with a non-labeled reference. Actual position of labels not verified. For research and development use only, not for use in humans.