

Product Name	: 5-Methyluridine
Synonyms	: Ribothymidine; Thymine riboside
Cat No.	: M20006
CAS Number	: 1463-10-1
Molecular Formula	: C ₁₀ H ₁₄ N ₂ O ₆
Formula Weight	: 258.23
Chemical Name	: —
Description	Ribothymidine is an endogenous methylated nucleoside found in human fluids; methylated purine bases are present in higher amounts in tumor-bearing patients compared to healthy controls. DNA hypermethylation is a common finding in malignant cells and has been explored as a therapeutic target for hypomethylating agents.
Pathway	: Others
Target	: Other Targets
Receptor	: Others
Solubility	: DMSO:96.9 mM
SMILES	: <chem>Cc1cn([C@@H]2O[C@H](CO)[C@@H](O)[C@H]2O)c(=O)[nH]c1=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Morris GS et al. Use of biological fluids for the rapid diagnosis of potentially lethal inherited disorders of human purine and pyrimidine metabolism. Biomed Chromatogr. 1986 Jun;1(3):109-18.