LKT Laboratories, Inc.

4-Thiouridine

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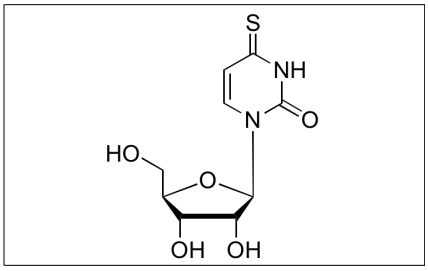
Product Information

Product ID T2933
CAS No. 13957-31-8
Chemical Name Uridine, 4-thio- (8CI)(9CI)

Synonym Thiouridine



Formula $C_9H_{12}N_2O_5S$
Formula Wt. 260.27
Melting Point 141-143°C
Purity ≥99%
Solubility Soluble in water (20 mg/mL), ethanol (2 mg/mL), DMSO (10 mg/mL).

Store Temp -20°C
Ship Temp Ambient

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
T2933	5 mg	$67.60
T2933	25 mg	$163.90
T2933	100 mg	$529.60
T2933	250 mg	$1071.40

Description 4-Thiouridine is a modified nucleotide that induces DNA cross-linking after irradiation with UV light. This compound is often used for labeling DNA in research models.

References

Wang L, Ruffner DE. An ultraviolet crosslink in the hammerhead ribozyme dependent on 2-thiocytidine or 4-thiouridine substitution. Nucleic Acids Res. 1997 Nov 1;25(21):4355-61. PMID: 9336468.

Ofengand J, Liou R, Kohut J 3rd, et al. Covalent cross-linking of transfer ribonucleic acid to the ribosomal P site. Mechanism and site of reaction in transfer ribonucleic acid. Biochemistry. 1979 Oct 2;18(20):4322-32. PMID: 385051.