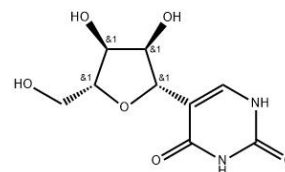


Technical Data Sheet

Pseudouridine

Compound Information

Product Name:	Pseudouridine
CAS No.:	1445-07-4
Molecular Formula:	C ₉ H ₁₂ N ₂ O ₆
Molecular Weight:	244.2
Storage:	Powder -20°C 3 years; 4°C 2 years In solvent -80°C 6 months; -20°C 1 month
Revision Date:	2026-04-15



Analytical Information

Tests	Specifications
Description	Pseudouridine, an isomer of uridine, is also the most abundant modified nucleoside in non-coding RNA. Pseudouridine can fine-tune and stabilize the regional structure in rRNA and tRNA to maintain their function in mRNA decoding, ribosome assembly, process
Form	Solid
Color	White to Off-White
PH	~9.0
Purity (HPLC)	100%
Melting Point	222 °C
Solubility	DMSO ≥ 60 mg/mL
1H NMR	Pass test

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.