



SPECIFICATION

2-Deoxy-D-ribose

Product Code:	MD04977
Synonyms:	Thymimose 2-Deoxy-D-erythropentose 2-Deoxy-D-arabinose
CAS Number:	533-67-5
Chemical Formula:	$C_5H_{10}O_4$
Molecular Weight:	134.13

TECHNICAL SPECIFICATION

Appearance:	White to off-white crystalline powder
Assay:	min 99%
Optical rotation (c=1, H ₂ O, 24hrs):	- 55.0 to -57°
Loss on drying:	max 0.5%
Identity test (IR):	Conforms to reference
Residue on ignition:	max 0.5%
Solution (5% in water):	Clear, colourless to light yellow solution
Heavy metals:	max 20ppm
pH (1% aqueous solution):	6 - 8