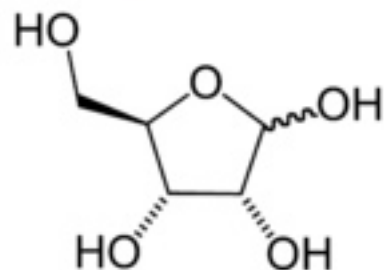


D-ribose is an aldopentose — a monosaccharide containing five carbon atoms, and including an aldehyde functional group in its linear form.

It has the chemical formula C₅H₁₀O₅.

Ribose^[1]



IUPAC name	(3 <i>R</i> ,4 <i>S</i> ,5 <i>R</i>)-5-(Hydroxymethyl) tetrahydrofuran-2,3,4-triol
Identifiers	
CAS number	200-059-4
PubChem	5779
SMILES	<chem>C([C@@H]1[C@H]([C@H](C(O1)O)O)O)O</chem>
Properties	
Molecular formula	C ₅ H ₁₀ O ₅
Molar mass	150.13
Appearance	White solid
Melting point	99 °C, 372 K, 210 °F
Solubility in water	Very soluble