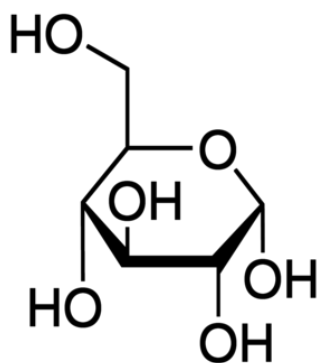


## D-(+)-Glucose, anhydrous [50-99-7]

#Cat : NB-42-01360-500g size: 500g

#Cat : NB-42-01360-1Kg size: 1Kg

#Cat : NB-42-01360-2.5Kg size: 2.5Kg



### Product Information

<b>Synonym(s):</b>	Dextrose
<b>Batch Molecular Formula:</b>	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>
<b>Batch Molecular Weight:</b>	180.16
<b>CAS No.:</b>	[50-99-7]
<b>Physical Appearance:</b>	White, crystalline powder
<b>MDL Number:</b>	MFCD00148912
<b>Melting point:</b>	150-152 °C (lit.)
<b>Storage:</b>	RT
<b>Solubility:</b>	H <sub>2</sub> O: 2g + 15 mL, clear, colorless

### Biological activity

D-(+)-Glucose is a monosaccharide which is the main source of energy in the form of ATP for living organisms. The effect of adding glucose as a supplement to the infection media of *Cryptosporidium parvum* oocysts has been studied. The polymer-bound glucose template has been demonstrated to be useful in the multi-step parallel synthesis of various compounds.

### Application

D-(+)-Glucose has been used as a standard for the estimation of total sugar in hydrolyzed starch by phenol-sulfuric acid method. It has been used in the preparation of the following liquid media for culturing yeast cells:

- CM glucose broth minus HIS (histidine)
- CM glucose broth minus URA (uracil)
- CM glucose broth minus TRP (tryptophan)

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