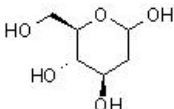


## Product datasheet

# 2-Deoxy-D-glucose, glucose analog ab142242

### 1 References

#### Overview

<b>Product name</b>	2-Deoxy-D-glucose, glucose analog
<b>Description</b>	Non-metabolizable glucose analog and glycolytic inhibitor. Antitumor agent.
<b>Biological description</b>	Non-metabolizable glucose analog and glycolytic inhibitor. Competitive phosphoglucose isomerase inhibitor. Induces ROS-dependent autophagy (EC <sub>50</sub> = 100 μM) and depletes cellular ATP. Antitumor and antiproliferative activity in vivo and in vitro. Orally active.
<b>Purity</b>	> 98%
<b>CAS Number</b>	154-17-6
<b>Chemical structure</b>	

#### Properties

<b>Chemical name</b>	(4 <i>R</i> ,5 <i>S</i> ,6 <i>R</i> )-6-(Hydroxymethyl)oxane-2,4,5-triol
<b>Molecular weight</b>	164.16
<b>Molecular formula</b>	C <sub>6</sub> H <sub>12</sub> O <sub>5</sub>
<b>PubChem identifier</b>	439268
<b>Storage instructions</b>	Store at Room Temperature. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 100 mM and DMSO to 100 mM
<b>Handling</b>	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>SMILES</b>	C1C(C(C(OC1O)CO)O)O
<b>Source</b>	Synthetic

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- Response to your inquiry within 24 hours
  
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- Extensive multi-media technical resources to help you
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