

## Liquid Endo-Inulinase and Exo-Inulinase Mixture

### Product Information

<b>Cat#</b>	DIA-527
<b>Source</b>	Aspergillus sp.
<b>Description</b>	Liquid endo-inulinase and exo-inulinase mixture for use in research, biochemical enzyme assays and analytical testing applications.
<b>Form</b>	Solution
<b>CAS No.</b>	9001-57-4,9025-67-6,37288-56-5
<b>Unit Definition</b>	<p>Endo-inulinase: One unit of endo-inulinase activity is defined as the amount of enzyme required to release one <math>\mu</math>mole of <math>\beta</math>-D-fructose reducing-sugar equivalents per minute from inulin (20 mg/mL) in sodium acetate buffer (100 mM), pH 4.5.</p> <p>Exo-inulinase: One unit of exo-inulinase activity is defined as the amount of enzyme required to release one <math>\mu</math>mole of <math>\beta</math>-D-fructose reducing-sugar equivalents per minute from kestose (5 mg/mL) in sodium acetate buffer (100 mM), at pH 4.5 at 40 °C.</p>
<b>Storage</b>	Below -10 °C
<b>Synonyms</b>	Endo-inulinase: 1- $\beta$ -D-fructan fructanohydrolase Exo-inulinase: fructan $\beta$ -fructosidase
<b>Enzyme Commission Number</b>	EC 3.2.1
<b>Stability</b>	> 1 year under recommended storage conditions
<b>Optimum pH</b>	4.5
<b>Optimum temperature</b>	40 °C
<b>Buffer</b>	50% (v/v) glycerol