

## $\beta$ -galactosidase Assay Kit (Visible Spectrophotometry)

### Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder -20°C for 3 years  
In solvent -80°C for 2 years

Actual storage temperature shall be subject to the COA.

### Biological Description

Description	<p><math>\beta</math>-GAL (EC 3.2.1.23) is widely found in animals, plants, microorganisms, and cultured cells. It catalyzes the hydrolysis of <math>\beta</math>-galactosidic bonds in <math>\beta</math>-galactoside compounds and also exhibits transgalactosylation activity.</p> <p><math>\beta</math>-GAL not only releases stored energy to support rapid plant growth, but also participates in normal polysaccharide metabolism, cell wall component metabolism, and cell wall degradation during senescence. In these processes, it catalyzes the hydrolysis of terminal galactose residues in polysaccharides, glycoproteins, and galactolipids, thereby releasing free galactose.</p>
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