

$\beta$ -Galactosidase

## Chemical Properties

CAS No. : 9031-11-2

Formula:

Molecular Weight:

Storage: Keep away from direct sunlight, Store at low temperature  
Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
Actual storage temperature shall be subject to the COA.

## Biological Description

Description	$\beta$ -Galactosidase (GAL) is a glycoside hydrolase that hydrolyzes the $\beta$ -glycosidic bond formed between galactose and its organic part, and naturally catalyzes the hydrolysis of the galactosidic bond in oligosaccharides and disaccharides for the degradation of lactose and the production of low-lactose and lactose-free lactose products that are beneficial to lactose intolerant patients.
Targets(IC50)	Endogenous Metabolite

## Reference

Ding H, et al. Heterologous Expression of a Thermostable  $\beta$ -1,3-Galactosidase and Its Potential in Synthesis of Galactooligosaccharides. Mar Drugs. 2018 Oct 30;16(11):415.

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