

B-AI Assay Kit (Microanalysis)

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

Invertase (Ivr) catalyzes the irreversible decomposition of sucrose into fructose and glucose. It is one of the key enzymes of sucrose metabolism in higher plants. Based on optimal pH, invertases in higher plants are divided into two types: acid invertase (AI) and neutral invertase (NI). The optimal pH for Acid invertase (AI) is 3-5. AI is divided into two types: soluble acid invertase (S-AI) and cell wall-bound insoluble acid invertase (B-AI). B-AI exists in the intercellular space and is bound to the cell wall. It is primarily involved in the breakdown of sucrose during apoplastic unloading in the phloem to maintain the sucrose concentration gradient between source and sink.

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