

Effect of tyrosine and valine on invertase activity of madhuca longifolia (Mimal) and woodfordia fruticosa (Malitta)

The enzyme Invertase is widely distributed in nature and highly abundant in bakers, brewers' and distillers' yeast. Other than yeast, variety of moulds, bacteria and many higher plants etc. also have been reported as Invertase sources. In Ayurvedic medicine, flowers of *Woodfordia fruticosa* (Malitta) and *Madhuca longifolia* (Mimal) are used as Invertase sources for the fermentation processes in the manufacture of Arishta used in Ayurveda. During this process fermentation is set off by the addition of flowers of *Woodfordia fruticosa* (Malitta) or *Madhuca longifolia* (mi mal) into a sucrose solution containing plant extracts.

According to the study Invertase from both sources showed remarkable enhancement of enzyme activity in the presence of Tyrosine and Valine, suggesting that these compounds may be possible activators of the enzyme. But further investigations are required to establish this conclusively.