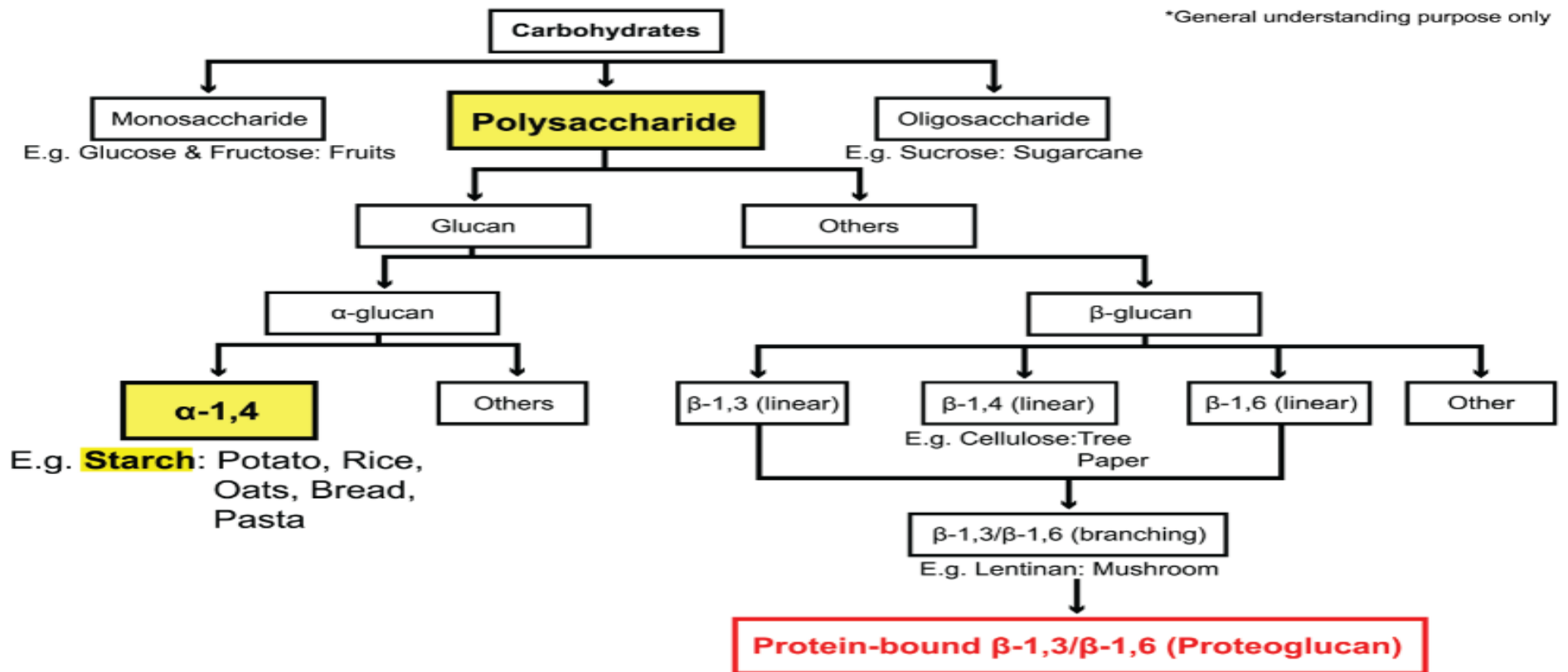


# What is D-fraction®? What is a Polysaccharide?

## What is a Polysaccharide?



**D-fraction: Maitake**

## **What is D-fraction®?**

D-Fraction is a water-soluble protein-bound  $\beta$ -1,3/  $\beta$ -1,6-glucans (proteoglucan) extracted from the fruiting body of Maitake mushroom (*Grifola frondosa*).



Maitake Mushroom

## **What is the difference between D-fraction® and glucans from other mushrooms or yeast?**

- 1)  $\beta$ -1,3/  $\beta$ -1,6-glucans contained in D-fraction have a greater degree of branching compared to  $\beta$ -glucans from other mushrooms or yeast. Researchers found that the branching frequency of  $\beta$ -glucans is an important factor related to its immune activity. This is one of the reasons why D-fraction is more active than glucans from other mushrooms or yeast.
- 2) D-fraction is a proteoglucan (or protein-bound  $\beta$ -glucans), not pure  $\beta$ -glucans. It is an optimal form for oral administration.
- 3) A number of studies on the mycelium of Maitake mushroom were conducted in the past years, however, there has been no report to suggest that the mycelium contains D-fraction.



**MUSHROOM WISDOM, INC.**

[www.mushroomwisdom.com](http://www.mushroomwisdom.com) [customerservice@mushroomwisdom.com](mailto:customerservice@mushroomwisdom.com)

One Madison Street, Suite F6, East Rutherford, NJ 07073  
TOLL-FREE: 800-747-7418 FAX: 973-470-0017