

What are non-nutritive sweeteners?

- Known as Stevia or Splenda among other brand names
- High-intensity artificial sweetener
- Aim to control weight gain
- Found in diet soft drinks, yogurts, desserts



Common Nonnutritive Sweeteners

Aspartame

Acesulfame-K

Neotame

Saccharin

Sucralose

Aspartame

Commonly known by the brand name:

Equal and **NutraSweet**



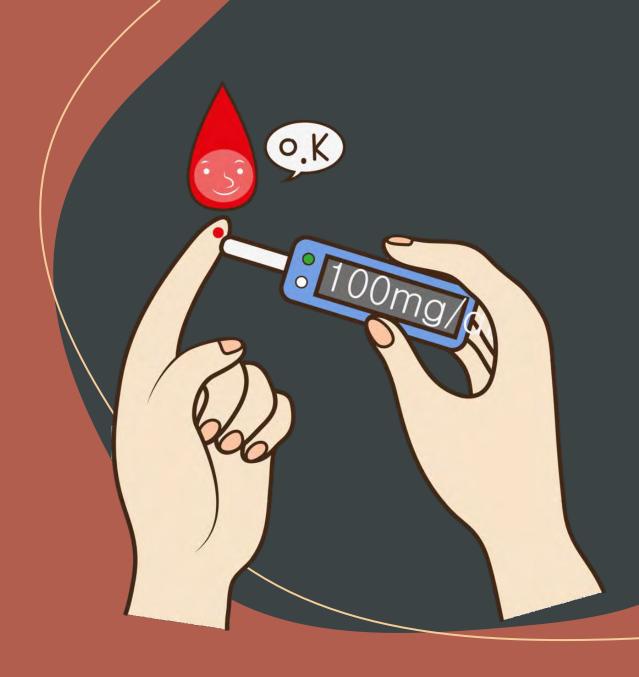
Sucralose

Commonly known by the brand name: **Splenda**



Role in Managing Diabetes

- No affect on blood sugar levels
- Prevent large spikes in blood sugar levels after meals
- Sucralose (Splenda) is the best choice to control blood sugar levels
- Controls weight gain



Non-nutritive Sweeteners on Food Labels







What to Look for in the Grocery Store

- Non-nutritive sweeteners are found in a variety of foods
- Foods labelled as "low in sugar" or "no sugar added"
- Commonly listed as "sucralose" or "aspartame"

Risks of Eating Nonnutritive Sweeteners

- The long-term affect of nonnutrition sweeteners is still unclear
- Conflicting views on their benefits
- May cause the overconsumption of foods





Summary of Non-nutritive Sweeteners

- Non-nutritive sweeteners are an alternative to normal sugars
- Manage blood sugar levels
- Control weight gain
- Must be consumed in moderation

References

- American Cancer Society (2019). *Does aspartame cause cancer?* https://www.cancer.org/cancer/cancer-causes/aspartame.html#:~:text=Aspartame%20is%20commonly%20used%20as,a%20flavoring%20in%20some%20medicines.
- Baker-Smith, C. M., De Ferranti, S. D., & Cochran, W. J. (2019). The use of nonnutritive sweeteners in children. *Pediatrics*, 144(5). https://doi.org/10.1542/peds.2019-2765
- Food and Drug Association (2018, August 2). Additional Information about High-Intensity Sweeteners Permitted for Use in Food in the United States.

 https://www.fda.gov/food/food-additives-petitions/additional-information-about-high-intensity-sweeteners-permitted-use-food-united-states#:~:text=Sucralose%20is%20a%20general%20purpose,sugar%20substitute%20in%20baked%20goods.
- Daher, M. I., Matta, J. M., & Abdel Nour, A. M. (2019). Non-nutritive sweeteners and type 2 diabetes: Should we ring the bell? *Diabetes Research and Clinical Practice*, 155, 107786. https://doi.org/https://doi.org/10.1016/j.diabres.2019.107786
- Gardner, C., Wylie-rosett, J., Gidding, S. S., Steffen, L. M., Johnson, R. K., Reader, D., Lichtenstein, A. H., & Jecfa, A. D. I. (2012). AHA / ADA Scientific Statement Nonnutritive Sweeteners: Current Use and Health Perspectives A Scientific Statement From the American Heart Association and the American Diabetes Association. 509-519. https://doi.org/10.1161/CIR.0b013e31825c42ee
- Gardner, C. (2014). Non-nutritive sweeteners: evidence for benefit vs. risk. *Current Opinion in Lipidology*, **25**, 80-84. https://doi.org/10.1097/MOL.0000000000000034\