

CAS : 57-50-1

formula : C₁₂H₂₂O₁₁

molecular weight : 342.30

Chinese name : sucrose; B-D-fructose - furan - α -D-pyran grape glycoside; B - D-fructose - furan-A-D-pyran grape glycoside; β - D-fructose - furan - α -D-pyran grape glycoside; sugarcane

English title : Saccharose; Sucrose; alpha-d-glucopyranoside beta-d-fructofuranosyl; alpha-d-50 pyranosyl beta-d-fructofuranoside; alpha-d-glucopyranosyl beta-d-fructofuranoside; amerfand; beet sugar; beta-d-fructofuranoside, alpha-d-glucopyranosyl; cane sugar

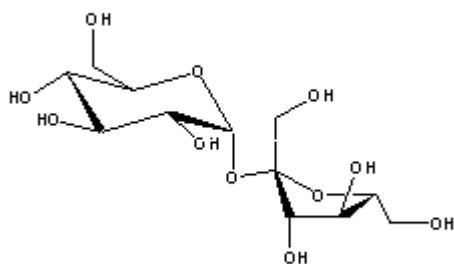
nature Description : colorless monoclinic crystal wedge; a white crystalline or granular powder. The relative density of 1.587 (25 / 4 ° C). The 160-186 ° C decomposition. Water-soluble, 1g of the materials can be dissolved in 0.5 ml water; 170ml ethanol; About 100 ml of methanol. Stability in the air.

production methods : from the large number of **sugar cane** and sugar beet and sugar cane sucrose content of about 15-20%, 10-17% with beet. Various other fruits; Seeds; Leaf; Flowers; Roots have different content. Sugarcane Act to extract fluid or slices of beet juice made of water with lime clarify the law or a combination of sulfiting bun filling, juice to remove impurities, vacuum filter will steamed concentrated filtrate, recrystallization derived from raw sugar, then bleaching; Recrystallization derived refined sugar.

purposes : Sucrose is the most common of food and sugar, citric acid is also used to the system; Caramel; Sugar; Transparent soap. Sucrose in high concentration can inhibit bacterial growth, medically for preservatives; The antioxidant pills such as excipient. 1980 World raw sugar output of 87.1 million t, of which 52 million t sugar, beet sugar t 35 million. From sugar cane and beet sugar by natural conditions, the slow development of the restrictions, the world aglycaemia than more serious. In addition, various special needs, and promoting a new drought sweetener research and development, have now identified a number of natural and synthetic materials sweet sweet material. Sucrose reagents for 1-naphthol determination, but also for calcium; Magnesium separation and the preparation of biological medium.

Notice:Each item can have many explanations from different angels. If you want grasp the item comprehensively,please see below "more details data".

Structure:



Chemmyq.com

More Detailed Data:

- 1) [Cane sugar;Saccharose;Sugar;,.alpha.-D-Glucopyranoside, .beta.-D-fructofuranosyl](#)
- 2) [sucrose;cane sugar;saccharose](#)
- 3) [alpha-D-Glucopyranosyl](#)
[beta-D-fructofuranoside;beta-D-Fructofuranose-\(2-1\)-alpha-D-glucopyranoside;Sucrose;Saccharose;D\(+\)-Sucrose](#)
- 4) [Sucrose;Sugar](#)
- 5) [cane sugar;Sucrose](#)
- 6) [sugar;sucrose](#)
- 7) [beet sugar](#)
- 8) [ficoll;polysucrose](#)
- 9) [Sucrose, monomyristate;alpha-d-glucopyranoside, beta-d-fructofuranosyl, monotetradecanoate;monomyristic sucrose ester](#)
- 10) [sucralose;trichlorosucrose](#)

Notice Some description was translated by software and the data is only as a reference.

資料來源: <http://www.hellochem.com/En/xz/xz12/116771rcmuu.htm>