[ Product Information ]

Name: Fructose
Catalog No.: CFN98121
Cas No.: 57-48-7
Purity: >=98%
M.F: C$_6$H$_{12}$O$_6$
M.W: 180.16

Physical Description: White cryst.
Synonyms: Arabino-hexulose; D-fructos; Nevulose.

[ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Synthetic precursor compounds;
5. Intermediates & Fine Chemicals;
6. Others.

[ Source ]

The leaves of Ginkgo biloba L.

[ Biological Activity or Inhibitors ]
Dietary fructose can specifically increase hepatic de novo lipogenesis (DNL), promote dyslipidemia, decreases insulin sensitivity, and increase visceral adiposity in overweight/obese adults.[1]
Fructose may be detrimental in terms of body weight and adiposity and the metabolic indexes associated with the insulin resistance syndrome.[2]
Dietary fructose can reduce circulating insulin and leptin, attenuate postprandial suppression of ghrelin, and increase triglycerides in women. [3]

[ Solvent ]
Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[ HPLC Method ][4]
Mobile phase: 0.04 M Phosphoric acid, gradient elution;
Flow rate: 1.0 ml/min;
Column temperature: 50 °C;
The wave length of determination: 200 nm.

[ Storage ]
2-8°C, Protected from air and light, refrigerate or freeze.

[ References ]

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