

D-(+)-Xylose Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: D-(+)-Xylose

Catalog No.: CFN99911

Cas No.: 58-86-6

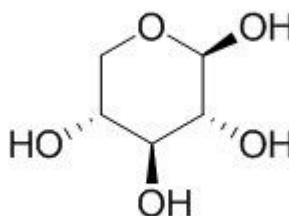
Purity: >=99%

M.F: C₅H₁₀O₅

M.W: 150.13

Physical Description: Powder

Synonyms: 2,3,4,5-Tetrahydroxypentanal; alpha-D-xylopyranose; beta-D-xylopyranose; D-xylopyranose; D-Xylose.



[Intended Use]

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

[Source]

The leaves of *Ginkgo biloba* L.

[Biological Activity or Inhibitors]

A composition containing an effective amount of D-xylose, an ester thereof or an oligosaccharide containing D-xylose, in a combination with a cosmetically or pharmaceutically acceptable excipient.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

HPLC-NQAD:

Mobile phase: Acetonitrile-H₂O=73:27 ;

Flow rate: 0.8 ml/min;

Column temperature: 30 °C;

Drift tube temperature: 50 °C;

Carrier gas: N₂;

Pressure of gas: 30 psi.

[Storage]

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

[References]

[1] Dumas M, Bonte F. *US6495147[P]*, 2002.

[2] Cai X J, Xu J Z, Huang H N, *et al. Food Science*, 2013, 34(2):179-81.

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