

Pentoses

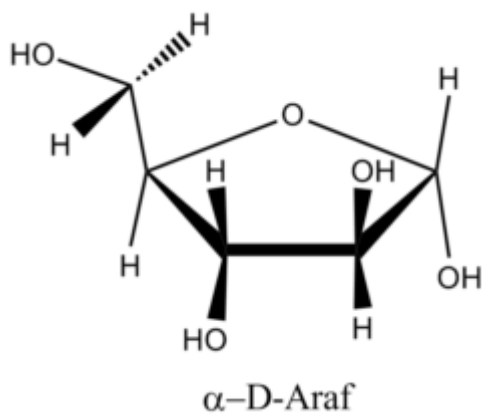
## Description

### ARABINOSE

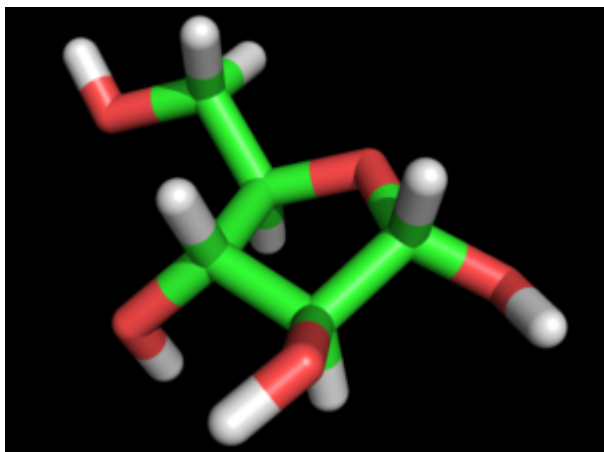
*gets its name from "Gum Arabic", from which it was first isolated*



?-D-Arabinofuranose



?-D-Arabinofuranose



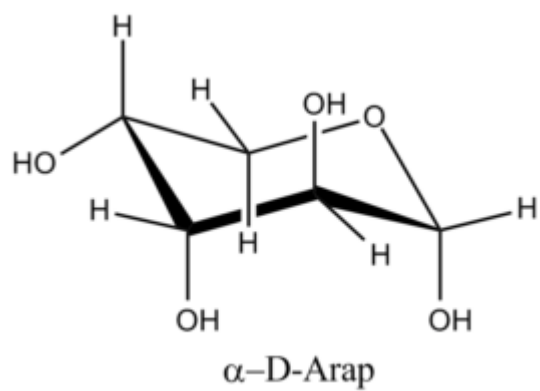
$\alpha$ -D-Arabinofuranose



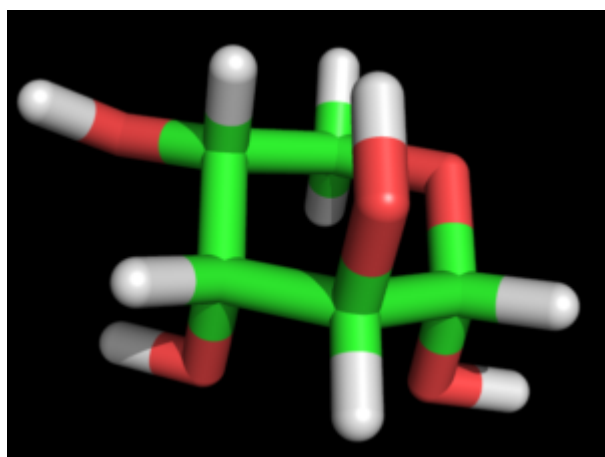
$\alpha$ -D-Arabinofuranose



$\beta$ -D-Arabinopyranose



?-D-Arabinopyranose



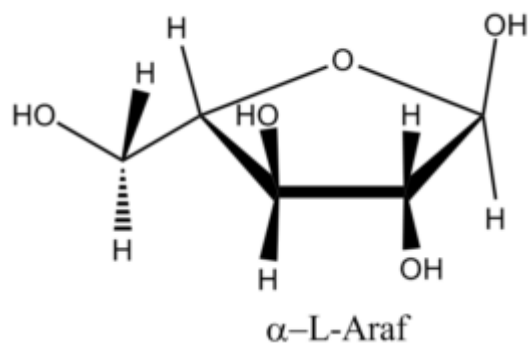
PDB

?-D-Arabinopyranose

13a.  $\hat{\pm}$ -L-Arabinofuranose

Image not found or type unknown

?-L-Arabinofuranose



?-L-Arabinofuranose

13c.  $\hat{\pm}$ -L-Arabinofuranose

Image not found or type unknown

PDB

?-L-Arabinofuranose

14a.  $\hat{\pm}$ -L-Arabinopyranose

Image not found or type unknown

?-L-Arabinopyranose

14b.  $\hat{\pm}$ -L-Arabinopyranose

Image not found or type unknown

?-L-Arabinopyranose

14c.  $\hat{\pm}$ -L-Arabinopyranose

Image not found or type unknown

?-L-Arabinopyranose



?-L-Arabinopyranose

15a.  $\beta$ -D-Arabinofuranose

Image not found or type unknown

?-D-Arabinofuranose

15b.  $\beta$ -D-Arabinofuranose

Image not found or type unknown

?-D-Arabinofuranose

### 15c. $\beta$ -D-Arabinofuranose

Image not found or type unknown



### ?D-Galactofuranose

### 16a. $\beta$ -D-Arabinopyranose

Image not found or type unknown

### ?-D-Arabinopyranose

## 16b. $\beta$ -D-Arabinopyranose

Image not found or type unknown

?-D-Arabinopyranose

## 16c. $\beta$ -D-Arabinopyranose

Image not found or type unknown



?-D-Arabinopyranose



### 17a. $\beta$ -L-Arabinofuranose

Image not found or type unknown

?-L-Arabinofuranose

### 17b. $\beta$ -L-Arabinofuranose

Image not found or type unknown

?-L-Arabinofuranose

### 17c. $\beta$ -L-Arabinofuranose

Image not found or type unknown

The image shows the logo for the Protein Data Bank (PDB). It consists of a solid blue square with the letters "PDB" in a white, bold, sans-serif font centered within it.

?-L-Arabinofuranose

18a.  $\hat{1}^2$ -L-Arabinopyranose

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?-L-Arabinopyranose

18b.  $\hat{1}^2$ -L-Arabinopyranose

Image not found or type unknown

?-L-Arabinopyranose

18c.  $\hat{1}^2$ -L-Arabinopyranose

Image not found or type unknown

?-L-Arabinopyranose



?-L-Arabinopyranose

## LYXOSE

*gets its name as an anagram of "Xylose"*

21a.  $\hat{\pm}$ -D-Lyxofuranose

Image not found or type unknown

?-D-Lyxofuranose

21b.  $\hat{\pm}$ -D-Lyxofuranose

Image not found or type unknown

?-D-Lyxofuranose

## 21c. $\hat{\pm}$ -D-Lyxofuranose

Image not found or type unknown



## ?-D-Lyxofuranose

### 22a. $\hat{\pm}$ -D-Lyxopyranose

Image not found or type unknown

## ?-D-Lyxopyranose

## 22b. $\alpha$ -D-Lyxopyranose

Image not found or type unknown

$\beta$ -D-Lyxopyranose

## 22c. $\alpha$ -D-Lyxopyranose

Image not found or type unknown



$\beta$ -D-Lyxopyranose



?-L-Lyxofuranose

23b.  $\hat{\pm}$ -L-Lyxofuranose

Image not found or type unknown

?-L-Lyxofuranose

23c.  $\hat{\pm}$ -L-Lyxofuranose

Image not found or type unknown

PDB

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?-L-Lyxofuranose

24a.  $\hat{\pm}$ -L-Lyxopyranose

Image not found or type unknown

?-L-Lyxopyranose

24b.  $\hat{\pm}$ -L-Lyxopyranose

Image not found or type unknown

?-L-Lyxopyranose

24c.  $\hat{\pm}$ -L-Lyxopyranose

Image not found or type unknown

?-L-Lyxopyranose



?-L-Lyxopyranose

[25a.  \$\beta\$ -D-Lyxofuranose](#)

Image not found or type unknown

?-D-Lyxofuranose

[25b.  \$\beta\$ -D-Lyxofuranose](#)

Image not found or type unknown

?-D-Lyxofuranose



## 25c. $\beta$ -D-Lyxofuranose

Image not found or type unknown



## ?-D-Lyxofuranose

### 26a. $\beta$ -D-Lyxopyranose

Image not found or type unknown

## ?-D-Lyxopyranose

## 26b. $\beta$ -D-Lyxopyranose

Image not found or type unknown

$\beta$ -D-Lyxopyranose

## 26c. $\alpha$ -D-Lyxopyranose

Image not found or type unknown



$\alpha$ -D-Lyxopyranose

### 27a. $\beta$ -L-Lyxofuranose

Image not found or type unknown

?-L-Lyxofuranose

### 27b. $\beta$ -L-Lyxofuranose

Image not found or type unknown

?-L-Lyxofuranose

### 27c. $\beta$ -L-Lyxofuranose

Image not found or type unknown

The image shows the logo for the Protein Data Bank (PDB). It consists of the letters "PDB" in a white, sans-serif font, centered within a solid blue square.

?-L-Lyxofuranose

28a.  $\hat{1}^2$ -L-Lyxopyranose

Image not found or type unknown

?-L-Lyxopyranose

28b.  $\hat{1}^2$ -L-Lyxopyranose

Image not found or type unknown

?-L-Lyxopyranose

28c.  $\hat{1}^2$ -L-Lyxopyranose

Image not found or type unknown

?-L-Lyxopyranose



?-L-Lyxopyranose

## RIBOSE

*gets its name from “**Arabinose**” by ommission and transposition of letters*

31a.  $\hat{\pm}$ -D-Ribofuranose

Image not found or type unknown

?-D-Ribofuranose

31b.  $\hat{\pm}$ -D-Ribofuranose

Image not found or type unknown

?-D-Ribofuranose

### 31c. $\beta$ -D-Ribofuranose

Image not found or type unknown



### ?-D-Ribofuranose

### 32a. $\beta$ -D-Ribopyranose

Image not found or type unknown

### ?-D-Ribopyranose

### 32b. $\alpha$ -D-Ribopyranose

Image not found or type unknown

$\beta$ -D-Ribopyranose

### 32c. $\alpha$ -D-Ribopyranose

Image not found or type unknown



$\beta$ -D-Ribopyranose

### 33a. $\beta$ -L-Ribofuranose

Image not found or type unknown

?-L-Ribofuranose

### 33b. $\beta$ -L-Ribofuranose

Image not found or type unknown

?-L-Ribofuranose

### 33c. $\beta$ -L-Ribofuranose

Image not found or type unknown

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?-L-Ribofuranose



?-L-Ribopyranose

34b.  $\hat{\pm}$ -L-Ribopyranose

Image not found or type unknown

?-L-Ribopyranose

34c.  $\hat{\pm}$ -L-Ribopyranose

Image not found or type unknown

?-L-Ribopyranose



?-L-Ribopyranose

35a.  $\beta$ -D-Ribofuranose

Image not found or type unknown

?-D-Ribofuranose

35b.  $\beta$ -D-Ribofuranose

Image not found or type unknown

?-D-Ribofuranose

### 35c. $\beta$ -D-Ribofuranose

Image not found or type unknown



### ?-D-Ribofuranose

### 36a. $\beta$ -D-Ribopyranose

Image not found or type unknown

### ?-D-Ribopyranose

### 36b. $\beta$ -D-Ribopyranose

Image not found or type unknown

$\beta$ -D-Ribopyranose

### 36c. $\beta$ -D-Ribopyranose

Image not found or type unknown



$\beta$ -D-Ribopyranose

### 37a. $\beta$ -L-Ribofuranose

Image not found or type unknown

?-L-Ribofuranose

### 37b. $\beta$ -L-Ribofuranose

Image not found or type unknown

?-L-Ribofuranose

### 37c. $\beta$ -L-Ribofuranose

Image not found or type unknown

The image shows the logo for the Protein Data Bank (PDB). It consists of the letters "PDB" in a white, sans-serif font, centered on a solid blue square background.

?-L-Ribofuranose

38a.  $\hat{\text{I}}^2$ -L-Ribopyranose

Image not found or type unknown

?-L-Ribopyranose

38b.  $\hat{\text{I}}^2$ -L-Ribopyranose

Image not found or type unknown

?-L-Ribopyranose

38c.  $\hat{\text{I}}^2$ -L-Ribopyranose

Image not found or type unknown

?-L-Ribopyranose



?-L-Ribopyranose

## XYLOSE

*gets its name from Greek: "Xylon" : wood*

41a.  $\hat{\pm}$ -D-Xylofuranose

Image not found or type unknown

?-D-Xylofuranose

41b.  $\hat{\pm}$ -D-Xylofuranose

Image not found or type unknown

?-D-Xylofuranose

### 41c. $\hat{\pm}$ -D-Xylofuranose

Image not found or type unknown



### ?-D-Xylofuranose

### 42a. $\hat{\pm}$ -D-Xylopyranose

Image not found or type unknown

### ?-D-Xylopyranose



## 42b. $\hat{\pm}$ -D-Xylopyranose

Image not found or type unknown

?-D-Xylopyranose

## 42c. $\hat{\pm}$ -D-Xylopyranose

Image not found or type unknown



?-D-Xylopyranose

### 43a. $\hat{\pm}$ -L-Xylofuranose

Image not found or type unknown

?-L-Xylofuranose

### 43b. $\hat{\pm}$ -L-Xylofuranose

Image not found or type unknown

?-L-Xylofuranose

### 43c. $\hat{\pm}$ -L-Xylofuranose

Image not found or type unknown

?-L-Xylofuranose



?-L-Xylofuranose

44a.  $\beta$ -L-Xylopyranose

Image not found or type unknown

?-L-Xylopyranose

44b.  $\beta$ -L-Xylopyranose

Image not found or type unknown

?-L-Xylopyranose

#### 44c. $\beta$ -L-Xylopyranose

Image not found or type unknown



#### ?-L-Xylopyranose

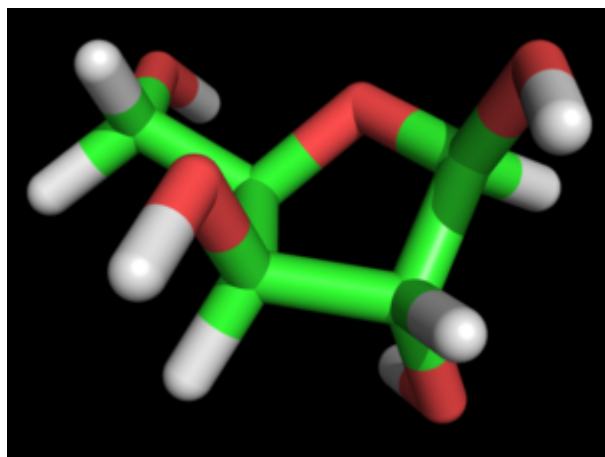
#### 45a. $\beta$ -D-Xylofuranose

Image not found or type unknown

#### ?-D-Xylofuranose

45b.  $\beta$ -D-Xylofuranose

Image not found or type unknown

 $\beta$ -D-Xylofuranose

PDB

 $\beta$ -D-Xylofuranose

#### 46a. $\beta$ -D-Xylofuranose

Image not found or type unknown

?-D-Xylofuranose

#### 46b. $\beta$ -D-Xylofuranose

Image not found or type unknown

?-D-Xylofuranose

#### 46c. $\beta$ -D-Xylofuranose

Image not found or type unknown

?-D-Xylofuranose



?-D-Xylofuranose

[47a.  \$\beta\$ -L-Xylofuranose](#)

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?-L-Xylofuranose

[47b.  \$\beta\$ -L-Xylofuranose](#)

Image not found or type unknown

?-L-Xylofuranose

### 47c. $\beta$ -L-Xylofuranose

Image not found or type unknown



### ?-L-Xylofuranose

#### 48a. $\beta$ -L-Xylopyranose

Image not found or type unknown

### ?-L-Xylopyranose



## 48b. $\beta$ -L-Xylopyranose

Image not found or type unknown

## ?-L-Xylopyranose

## 48c. $\beta$ -L-Xylopyranose

Image not found or type unknown



## ?-L-Xylopyranose

### Category

1. News