

Hexoses

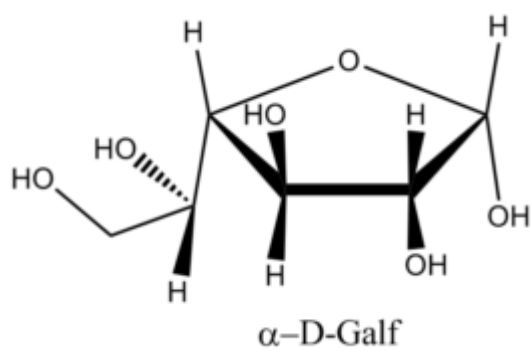
Description

GALACTOSE

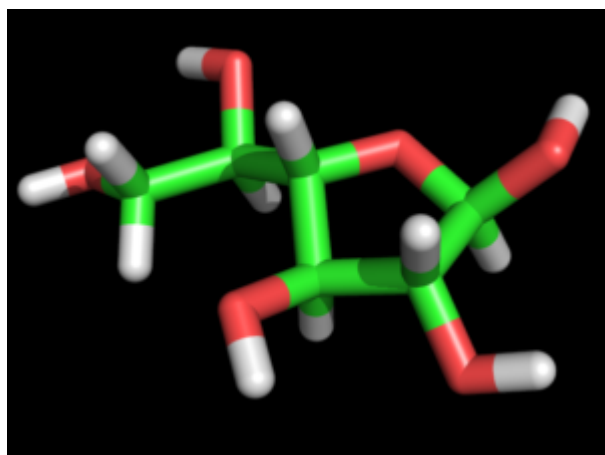
gets its name from Ancient Greek : *γάλακτος* : milk



α -D-Galactofuranose



α -D-Galactofuranose



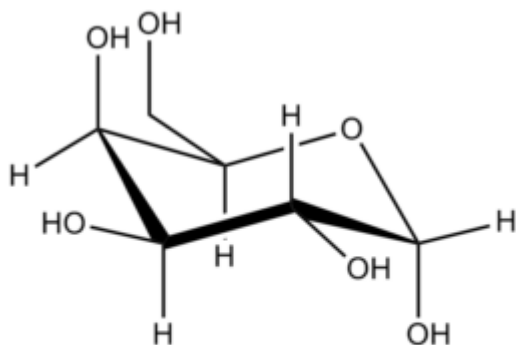
Î²-D-Galactofuranose



Î±D-Galactofuranose

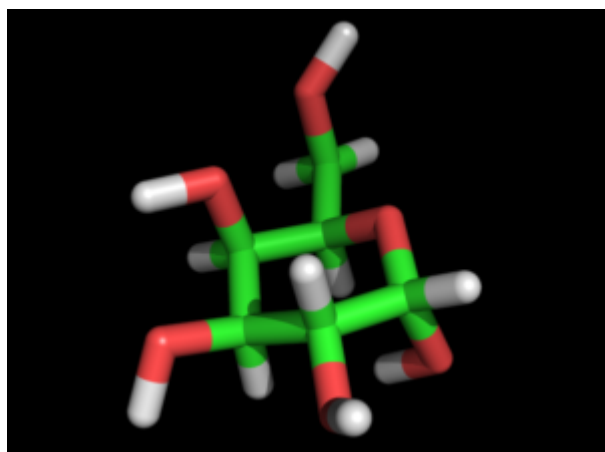


Î±D-Galactopyranose



α -D-Galp

Î±D-Galactopyranose



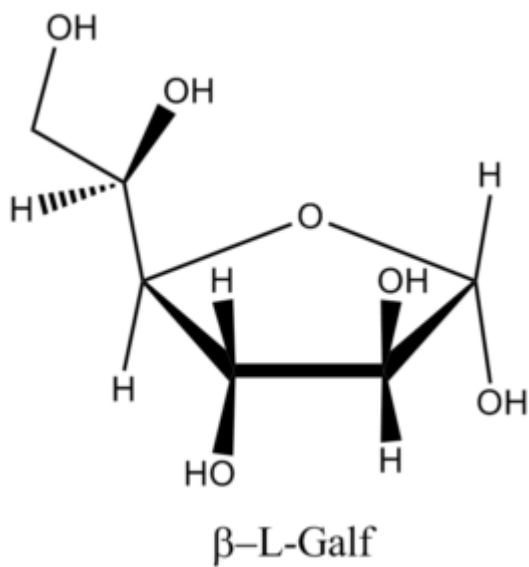
±-D-Galactopyranose



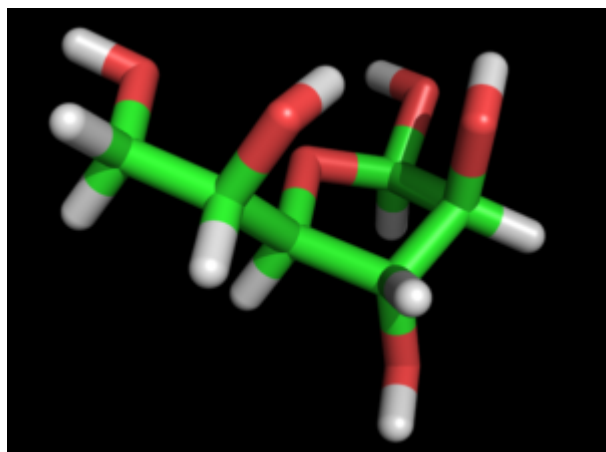
±-D-Galactopyranose



±-L-Galactofuranose



±-L-Galactofuranose



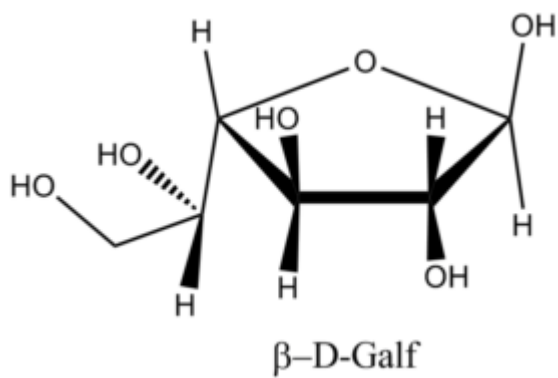
±-L-Galactofuranose



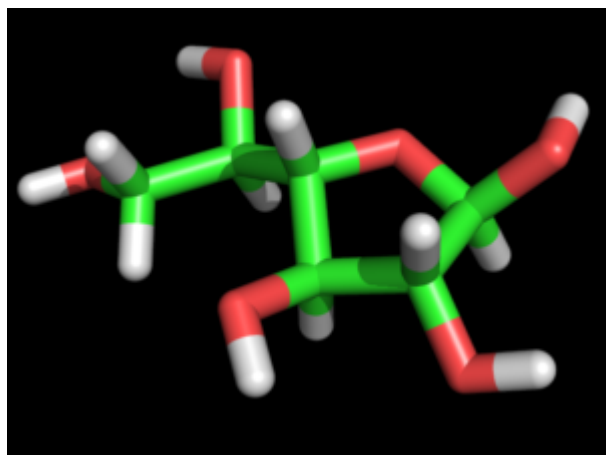
±-L-Galactofuranose



±-D-Galactofuranose



±-D-Galactofuranose



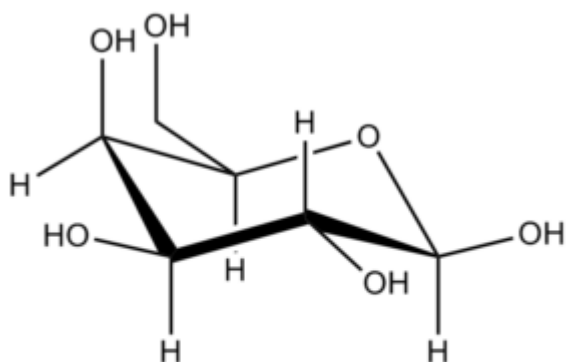
̂²-D-Galactofuranose



̂²-D-Galactofuranose

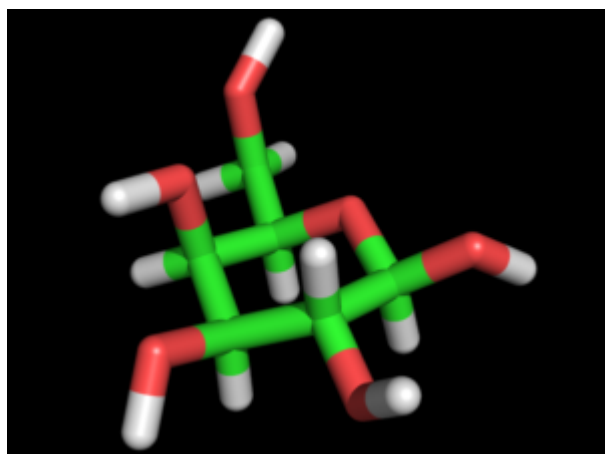


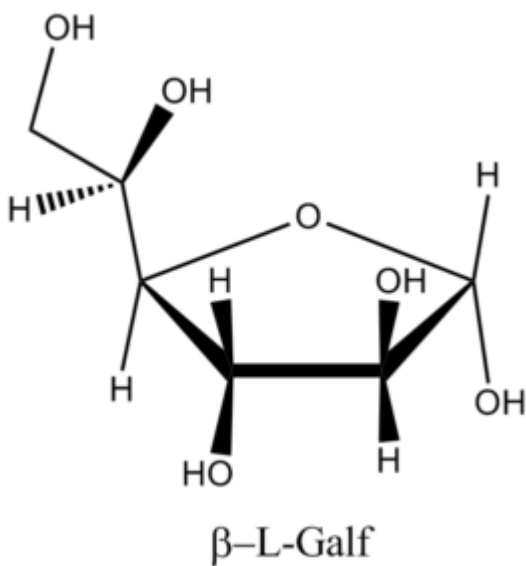
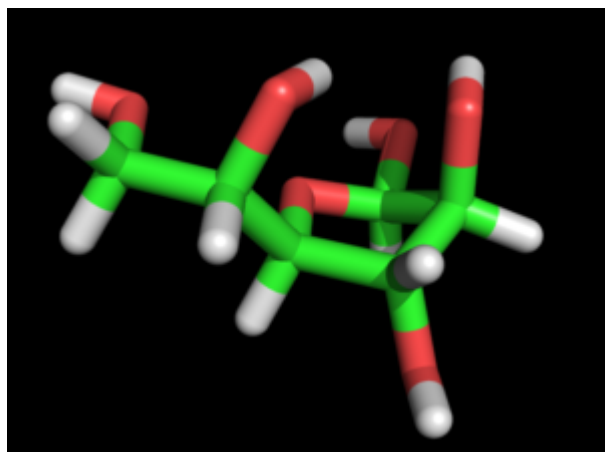
̂²-D-Galactopyranose



β -D-Galp

̂²-D-Galactopyranose



β -D-Galactopyranose β -D-Galactopyranose β -L-Galactofuranose β -L-Galactofuranose

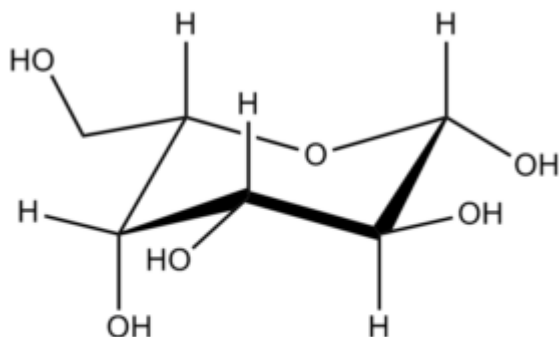
1²-L-Galactofuranose



1²-D-Galactopyranose

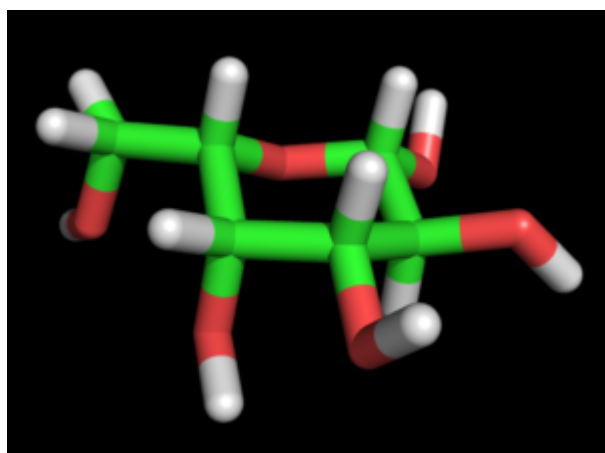


1²-L-Galactopyranose



β -L-Galp

1²-L-Galactopyranose



Î²-L-Galactopyranose



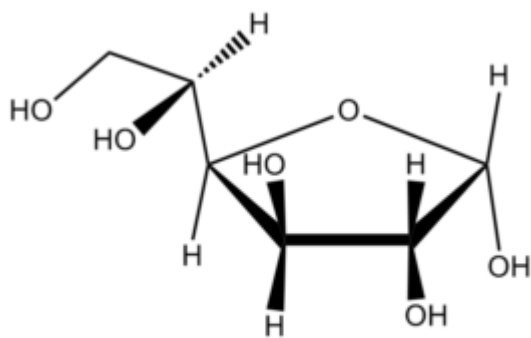
Î²-D-Galactopyranose

GLUCOSE

gets its name from Ancient Greek : *ἁλῆς****gleukos****ἄ•* : sweet wine, must

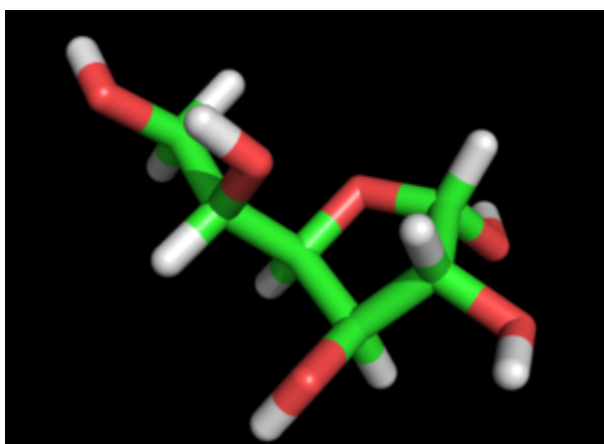


Î±-D-Glucofuranose



α-D-Glcf

Î±-D-Glucofuranose



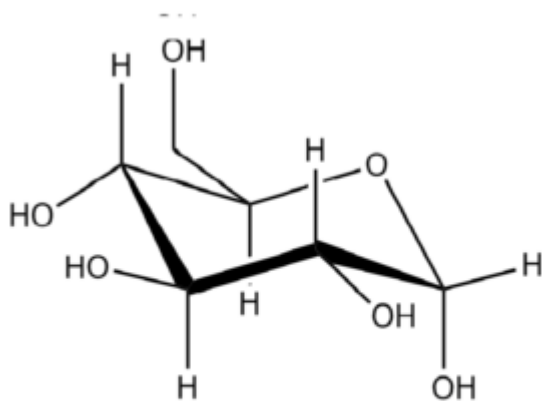
±-D-Glucofuranose



±-D-Glucofuranose

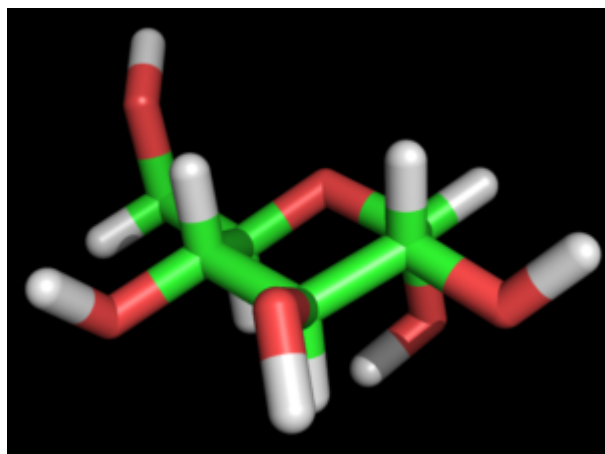


±-D-Glucopyranose



α -D-Glcp

±-D-Glucopyranose



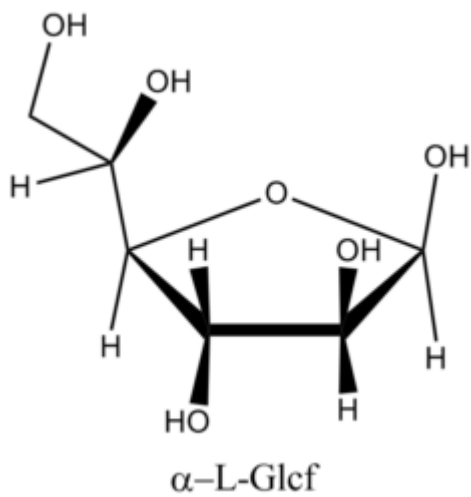
±-D-Glucopyranose



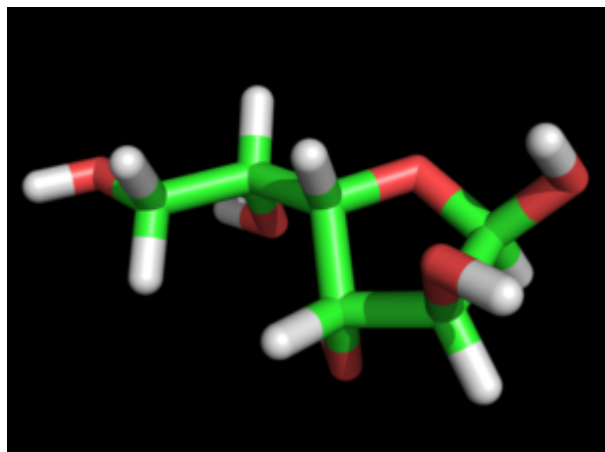
±-D-Glucopyranose



±-L-Glucofuranose



±-L-Glucofuranose



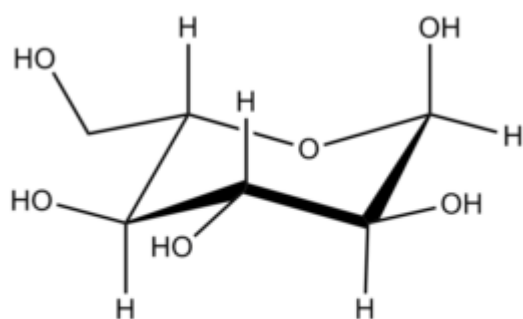
±-L-Glucofuranose



±-L-Glucofuranose

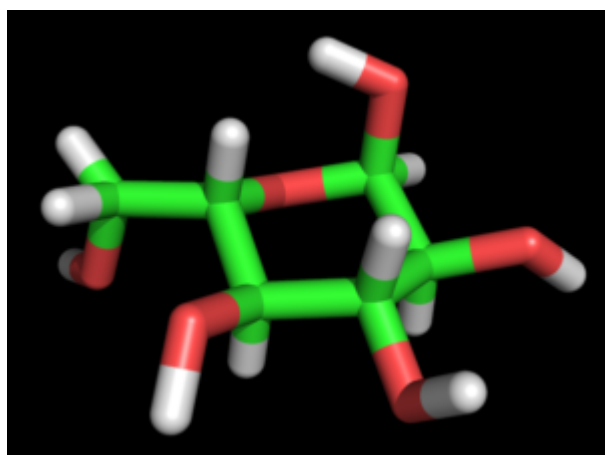


±-L-Glucopyranose



α -L-Glc

±-L-Glucopyranose



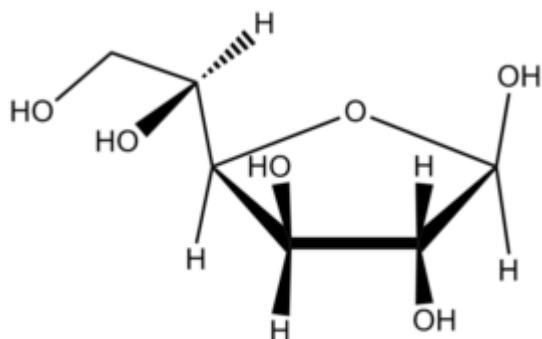
±-L-Glucopyranose



±-L-Glucopyranose

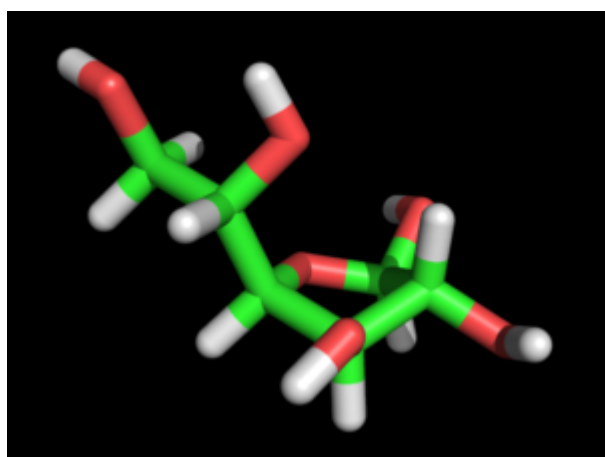


35a. 2-D-Glucofuranose



β -D-Glcf

2-D-Glucofuranose



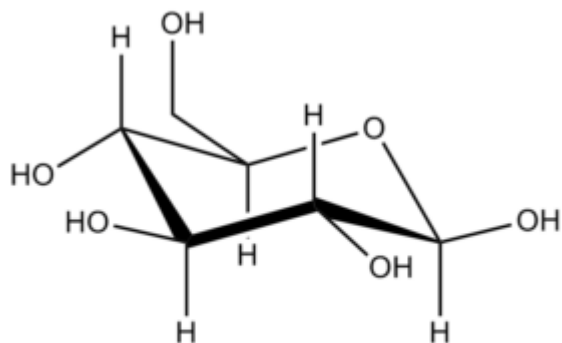
Î²-D-Glucofuranose



Î²-D-Glucofuranose

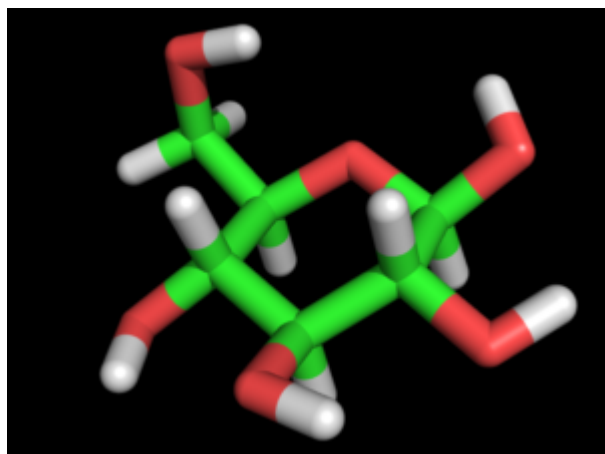


Î²-D-Glucopyranose



β -D-Glcp

Î²-D-Glucopyranose



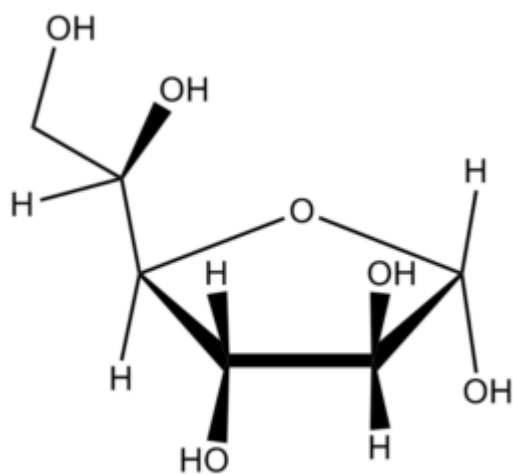
̂²-D-Glucopyranose



̂²-D-Glucopyranose

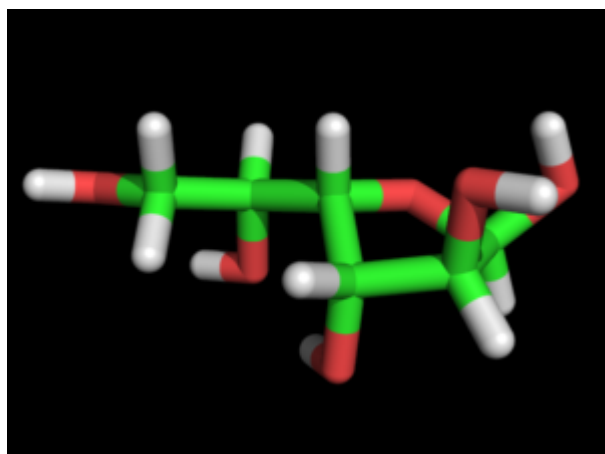


̂²-L-Glucofuranose



β -L-Glc f

̂²-L-Glucofuranose



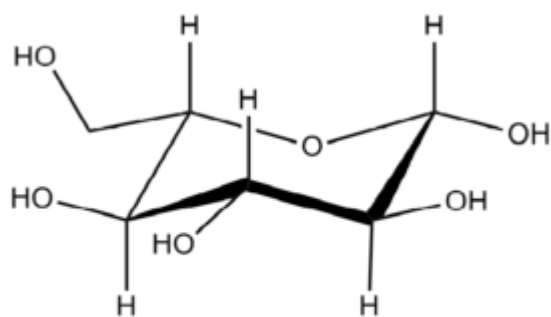
12-L-Glucofuranose



12-L-Glucofuranose

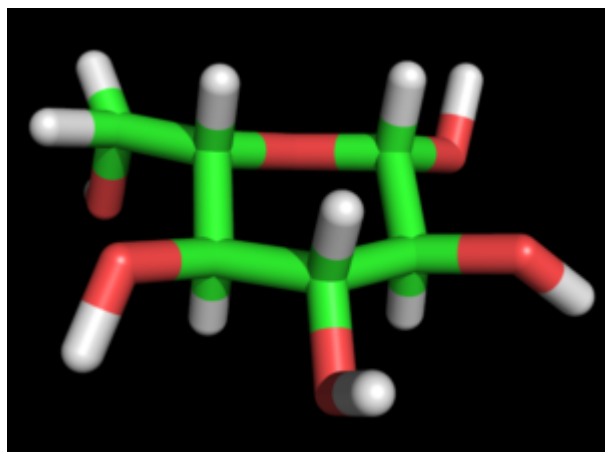


12-L-Glucopyranose



β -L-Glcp

12-L-Glucopyranose



1-L-Glucopyranose



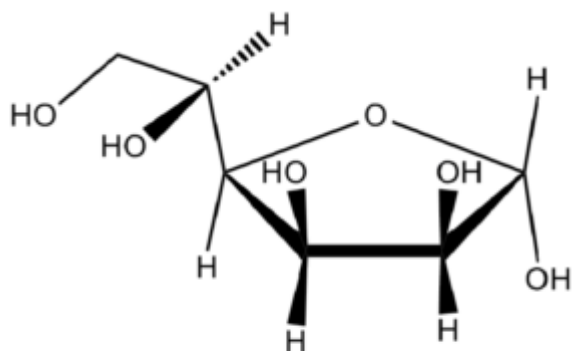
1-L-Glucopyranose

MANNOSE

gets its name from Ancient Hebrew : *manna*, the food supply of the Israelites during thier journey in the Sinai

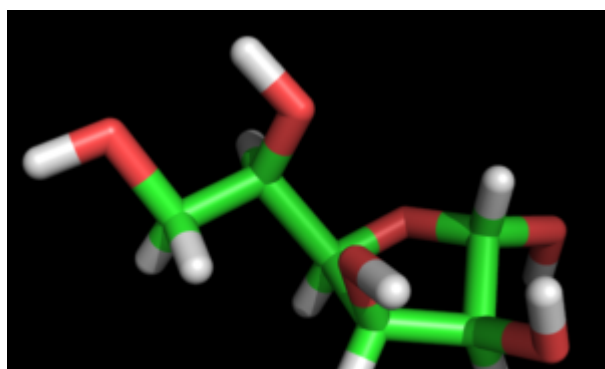


1-D-Mannofuranose



α -D-Manf

1-D-Mannofuranose



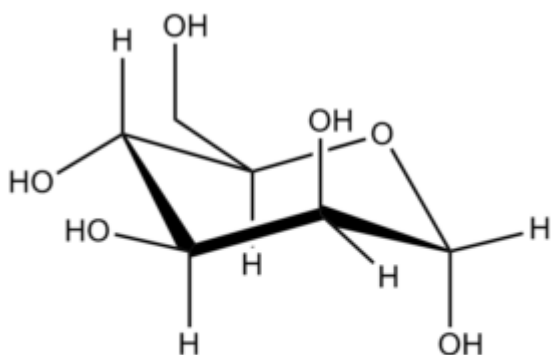
Î±-D-Mannofuranose



Î±-D-Mannofuranose

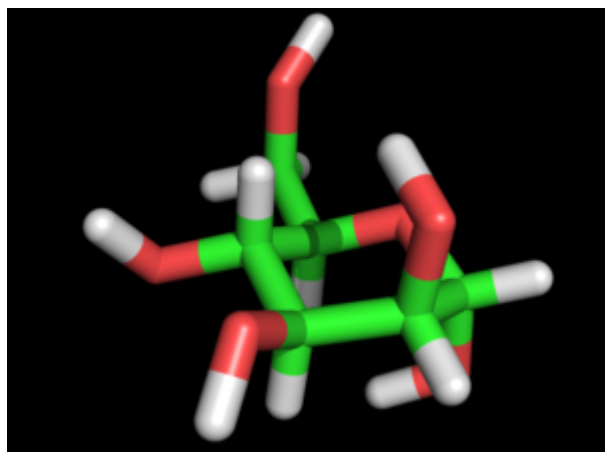


Î±-D-Mannopyranose



α -D-Manp

Î±-D-Mannopyranose



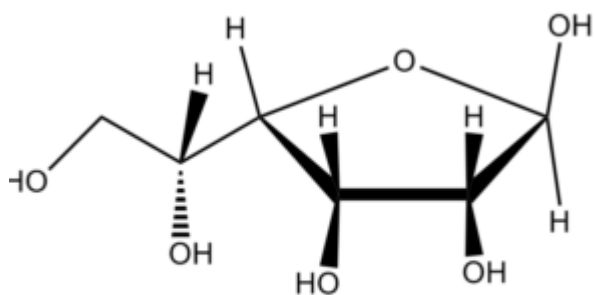
Î±-D-Mannopyranose



Î±-D-Mannopyranose

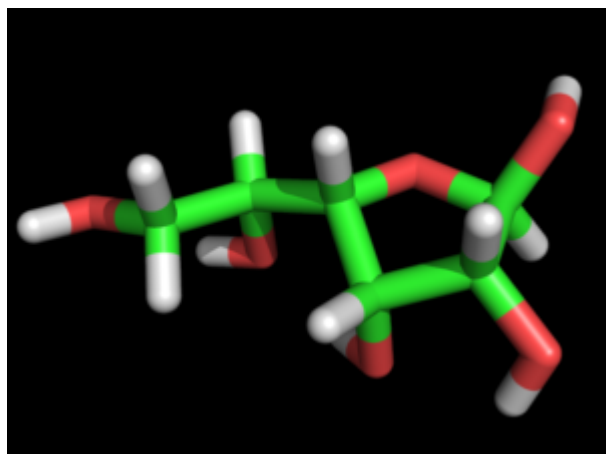


Î±-L-Mannofuranose



α -L-Manf

Î±-L-Mannofuranose



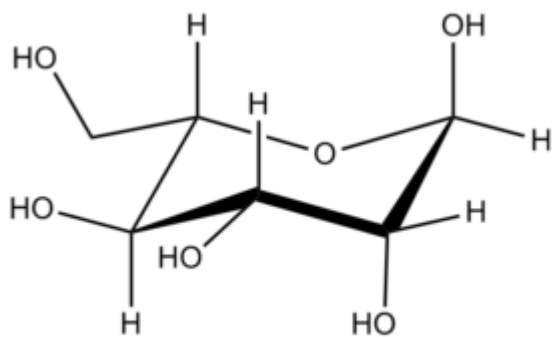
±-L-Mannofuranose



±-L-Mannofuranose

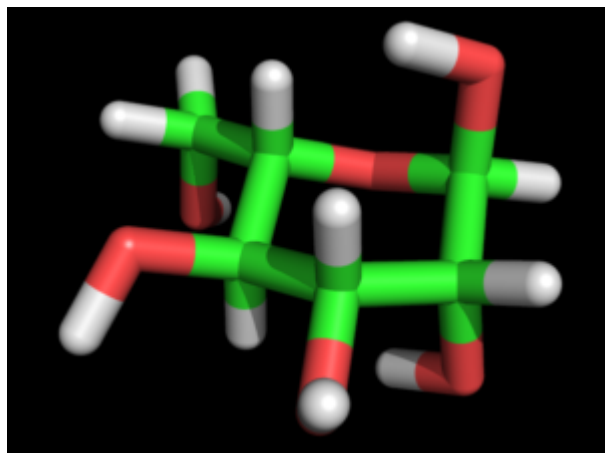


±-L-Mannopyranose



α -L-Manp

±-L-Mannopyranose



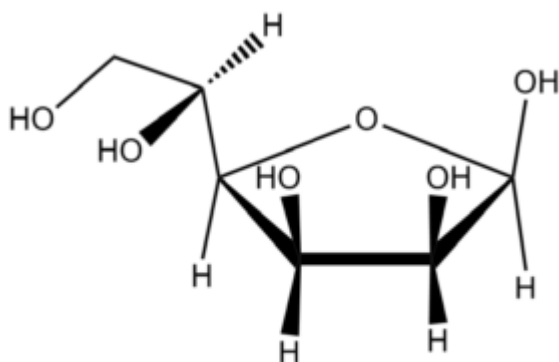
1±-L-Mannopyranose



1±-L-Mannopyranose

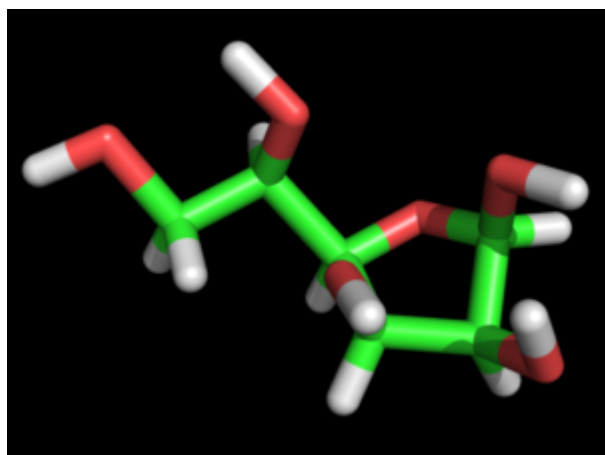


1²-D-Mannofuranose



β -D-Manf

1²-D-Mannofuranose



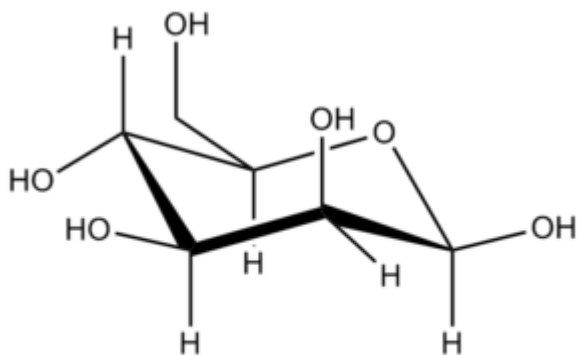
Î²-D-Mannofuranose



Î²-D-Mannofuranose

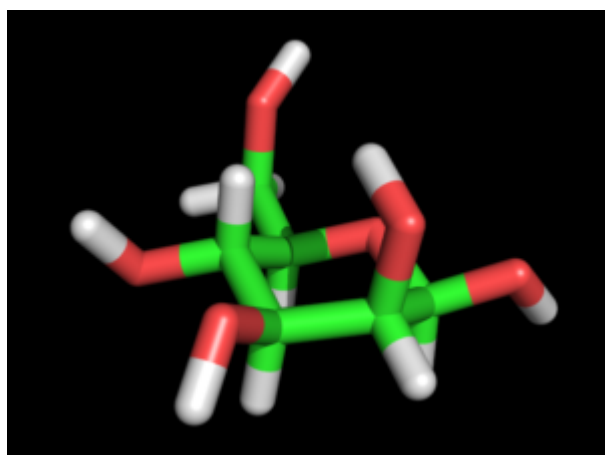


Î²-D-Mannopyranose



β -D-Manp

Î²-D-Mannopyranose



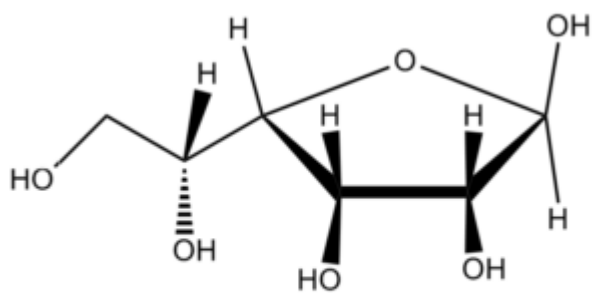
Î²-D-Mannopyranose



Î²-D-Mannopyranose

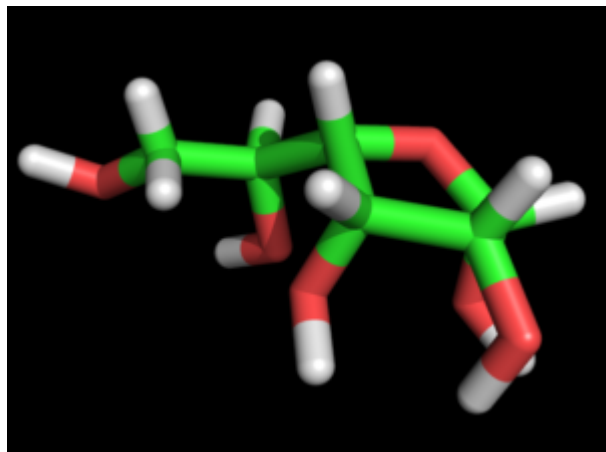


Î²-L-Mannofuranose



β -L-Manf

Î²-L-Mannofuranose



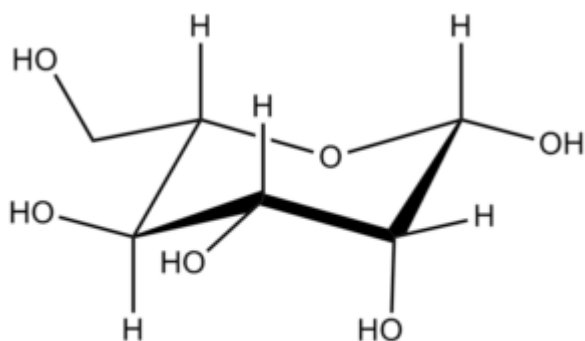
12-L-Mannofuranose



12-L-Mannofuranose

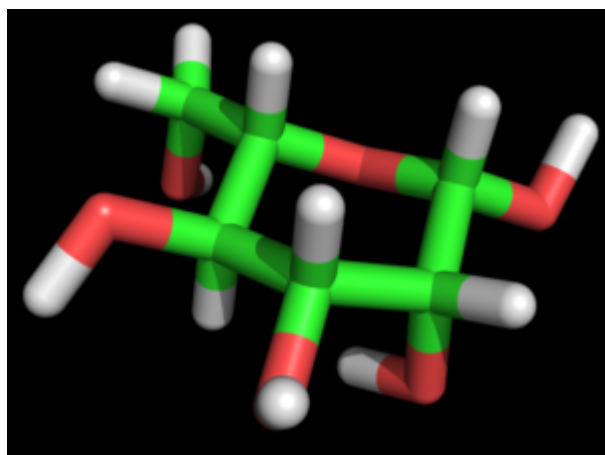


12-L-Mannopyranose



β -L-Manp

12-L-Mannopyranose



Î²-L-Mannopyranose



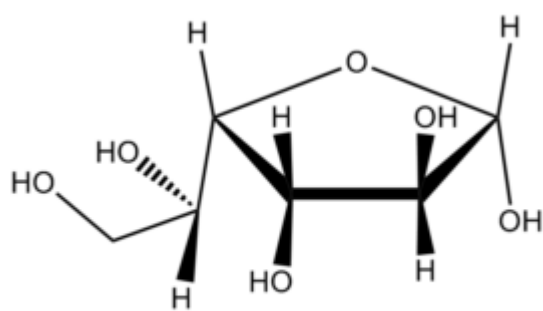
Î²-L-Mannopyranose

GALACTOSE

gets its name from Ancient Greek : *γάλακτος* : milk

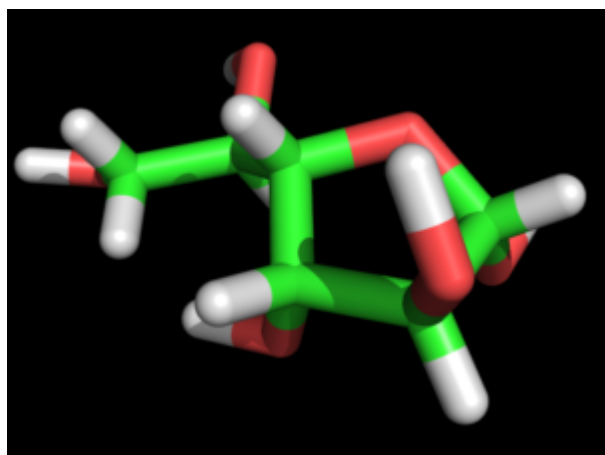


Î±-D-Idofuranose



α -D-Idof

Î±-D-Idofuranose



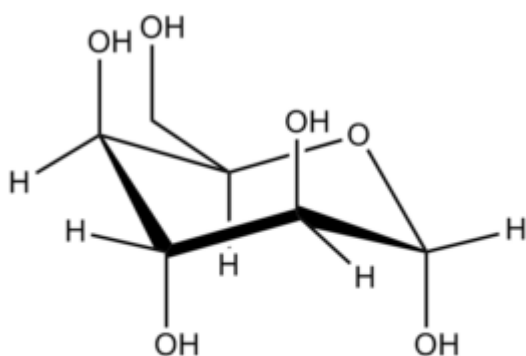
±-D-Idofuranose



±-D-Idofuranose

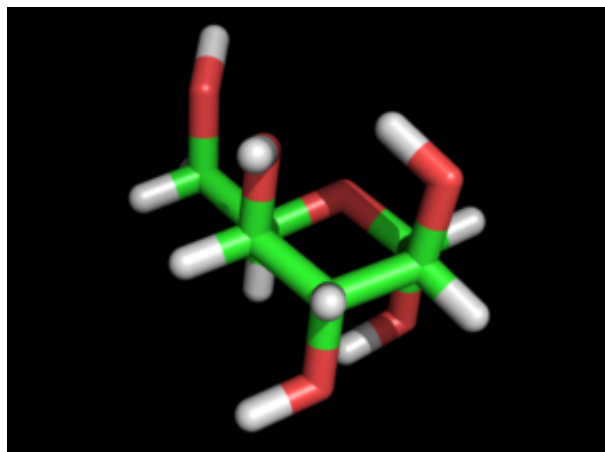


±-D-Idopyranose



α -D-Idop

±-D-Idopyranose



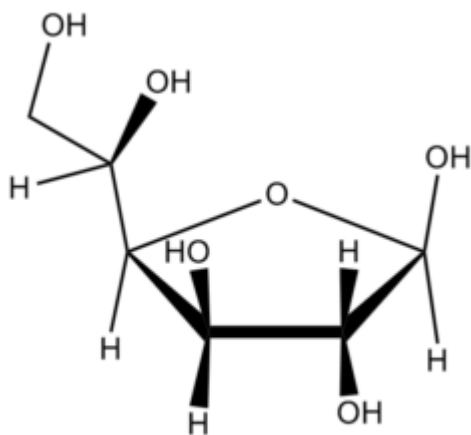
±-D-Idopyranose



±-D-Idopyranose

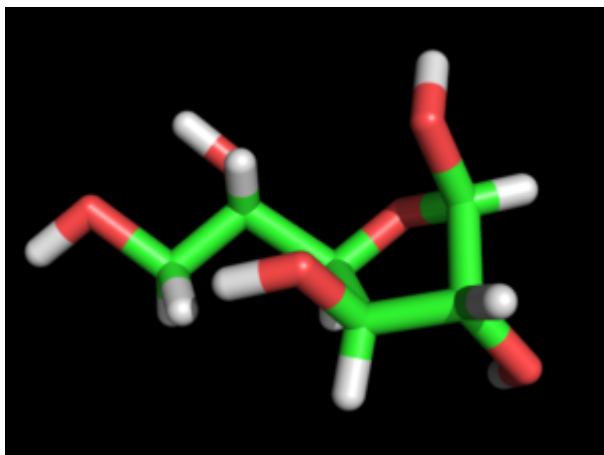


±-L-Idofuranose



α -L-Idof

±-L-Idofuranose



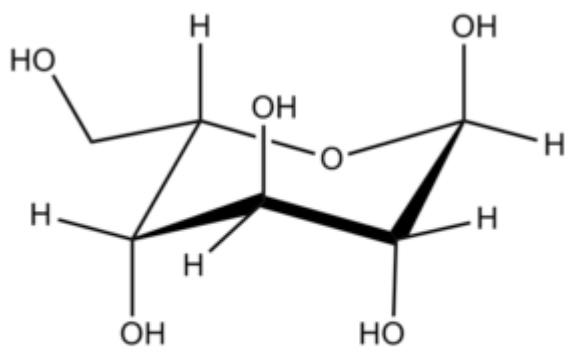
±-L-Idofuranose



±-L-Idofuranose

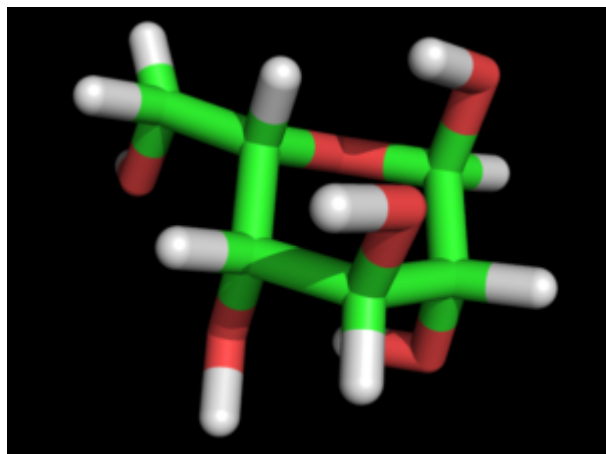


±-L-Idopyranose



α -L-Idop

±-L-Idopyranose



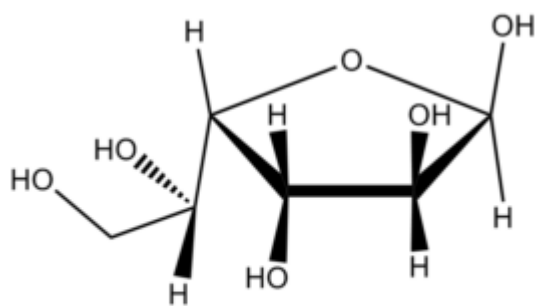
1±-L-Idopyranose



1±-L-Idopyranose

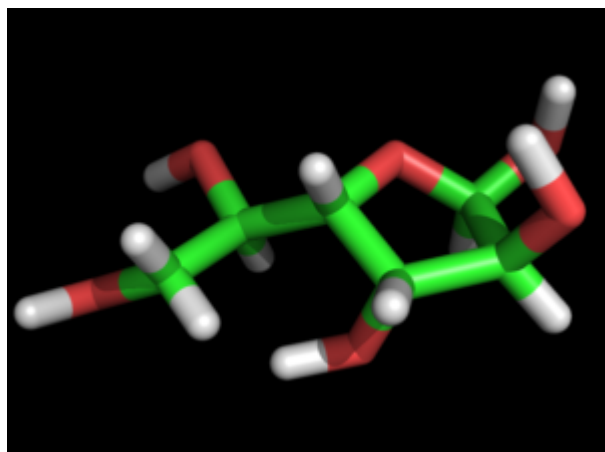


1²-D-Idofuranose



β -D-Idof

1²-D-Idofuranose



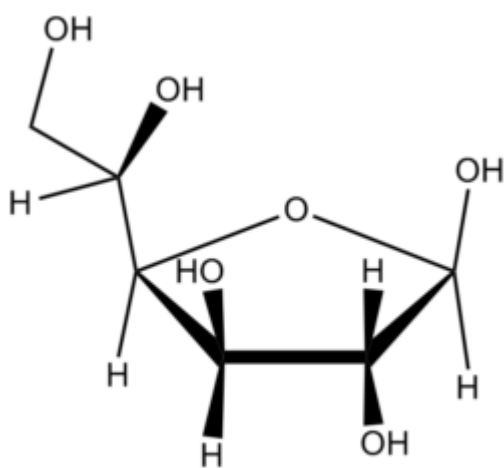
Î²-D-Idofuranose



Î²-D-Idofuranose

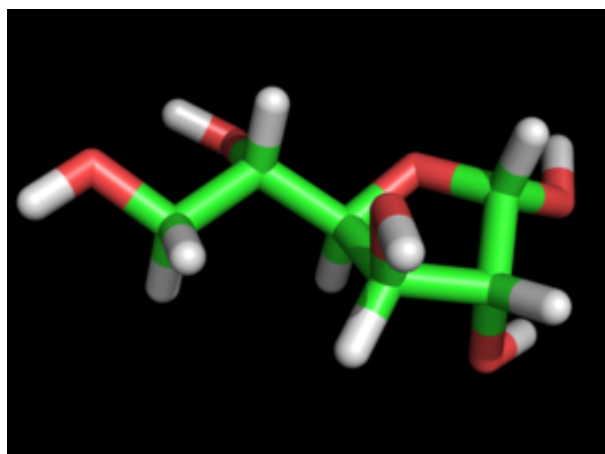


Î²-L-Idofuranose



β -L-Idof

Î²-L-Idofuranose



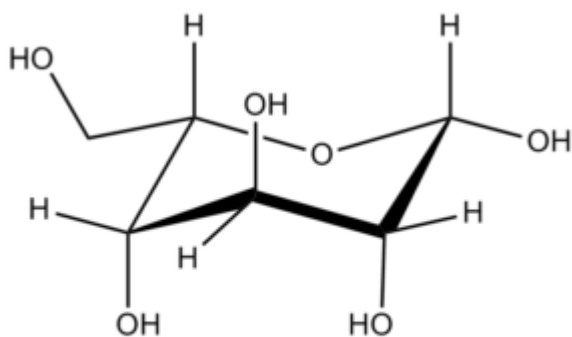
Î²-L-Idofuranose



Î²-D-Idopyranose

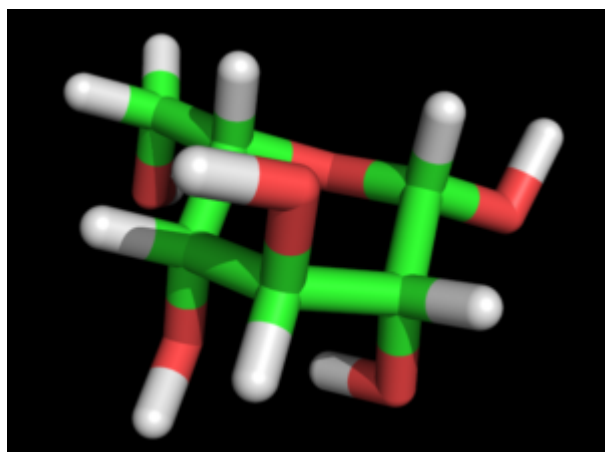


Î²-L-Idopyranose



β-L-Idop

Î²-L-Idopyranose



1-L-Idopyranose



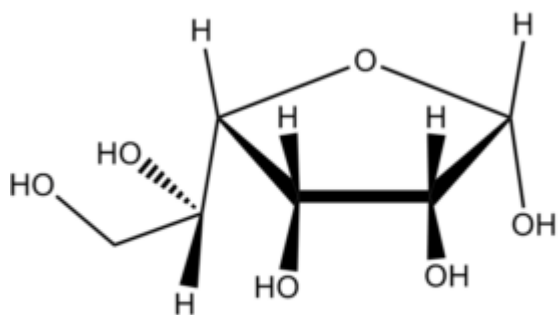
1-L-Idofuranose

GULOSE

gets its name from **Glucose** by omission and transposition of letters

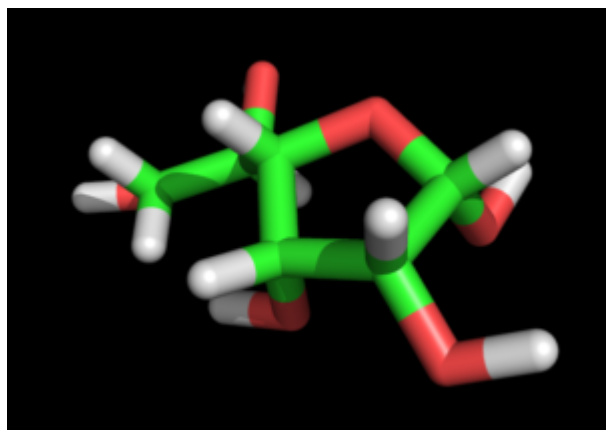


1-D-Gulofuranose



α -D-Gulf

1-D-Gulofuranose



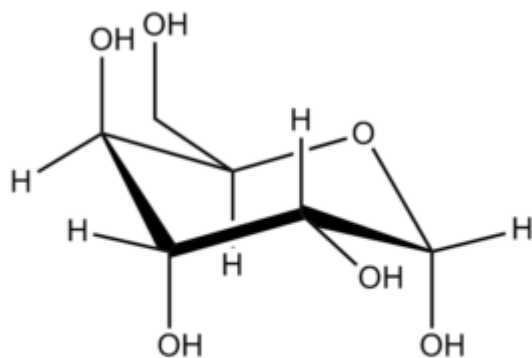
±-D-Gulofuranose



±-D-Gulofuranose

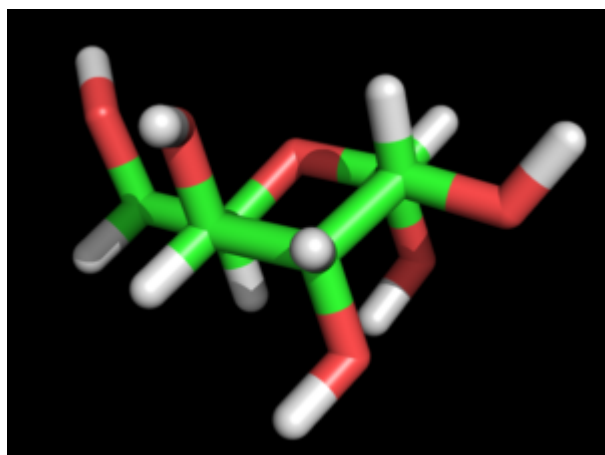


±-D-Gulopyranose



α -D-Gulp

±-D-Gulopyranose



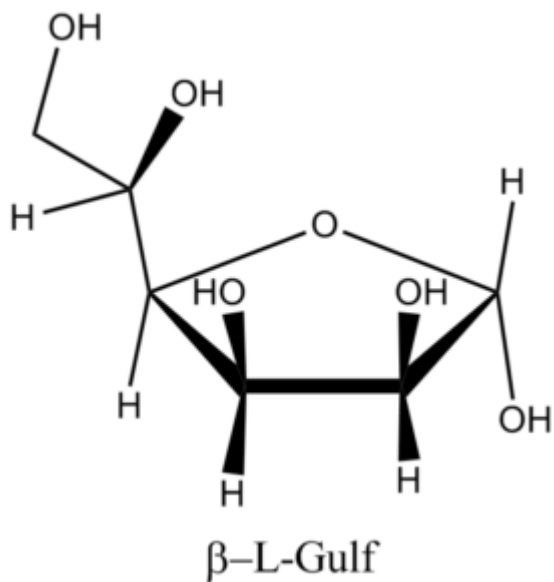
±-D-Gulopyranose



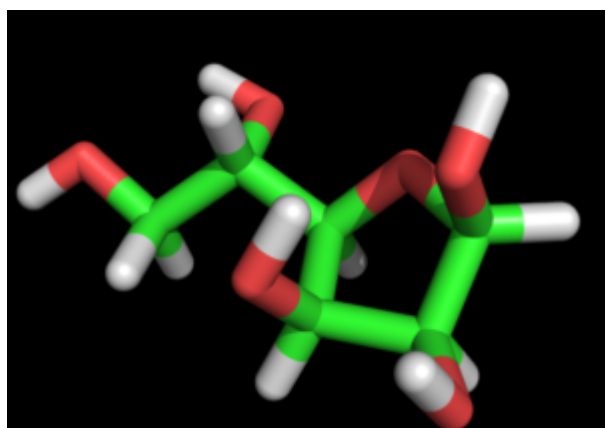
±-D-Gulopyranose



α -L-Gulofuranose



±-L-Gulofuranose



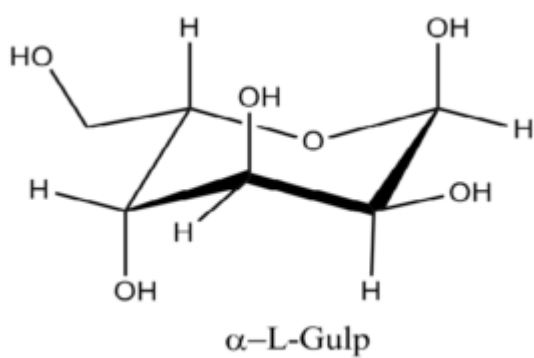
α -L-Gulofuranose



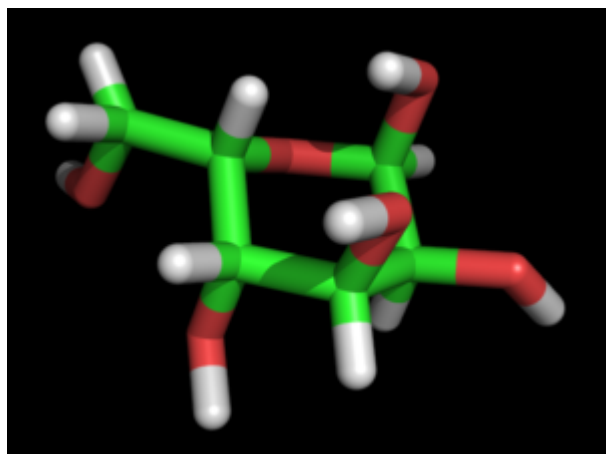
α -L-Gulofuranose



$\hat{1}\pm$ -L-Gulopyranose



$\hat{1}\pm$ -L-Gulopyranose



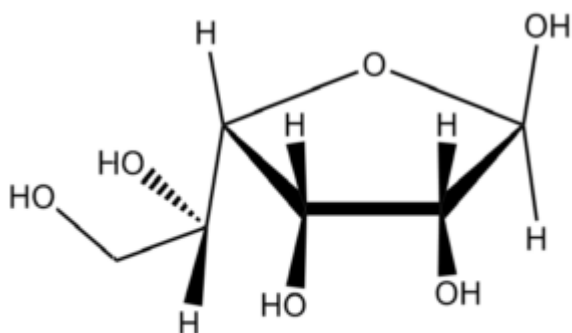
±-L-Gulopyranose



±-L-Gulopyranose

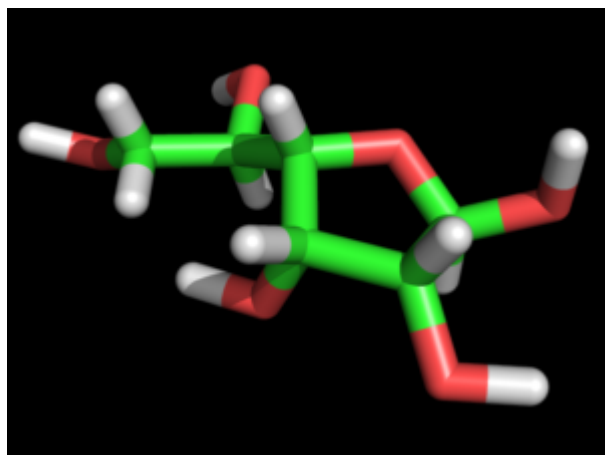


²-D-Gulofuranose



β -D-Gulf

²-D-Gulofuranose



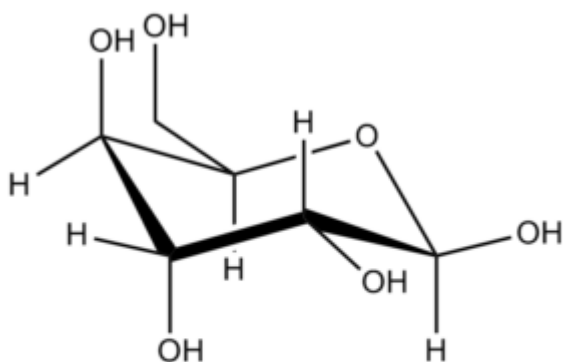
̢-D-Gulofuranose



̢-D-Gulofuranose

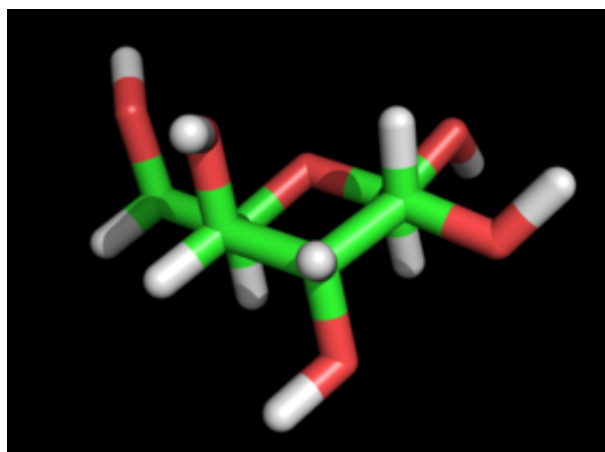


̢-D-Gulopyranose



β -D-Gulp

̢-D-Gulopyranose



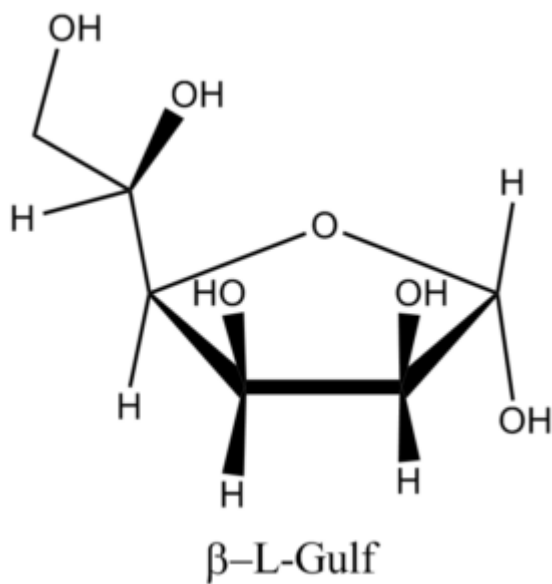
̂²-D-Gulopyranose



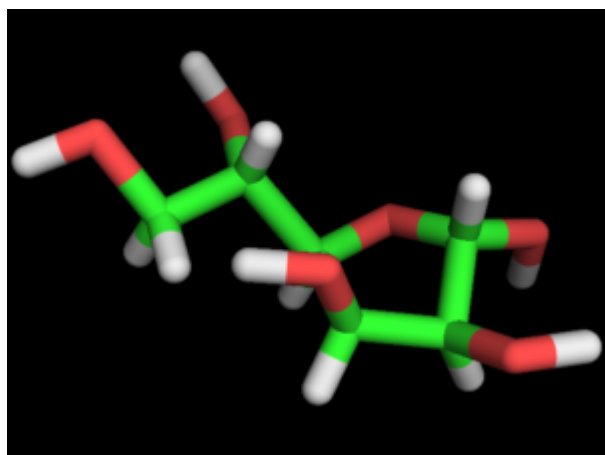
̂²-D-Gulopyranose



̂²-L-Gulofuranose



̂²-L-Gulofuranose



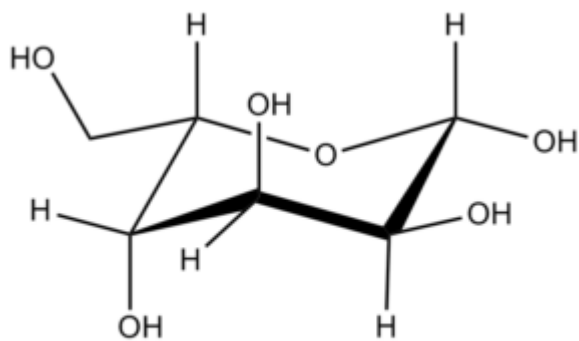
Î²-L-Gulofuranose



Î²-L-Gulofuranose

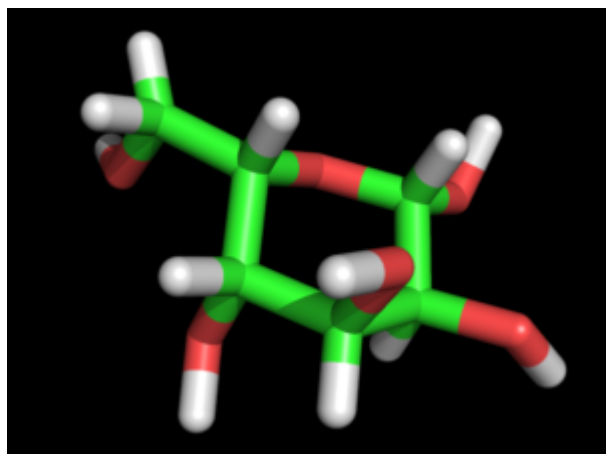


Î²-L-Gulopyranose



β-L-Gulp

Î²-L-Gulopyranose



Î²-L-Gulopyranose



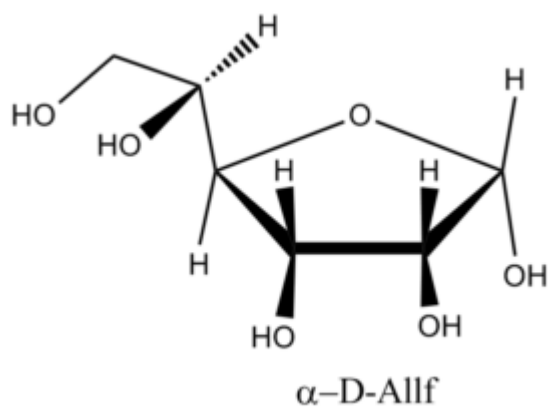
Î²-L-Gulopyranose

ALLOSE

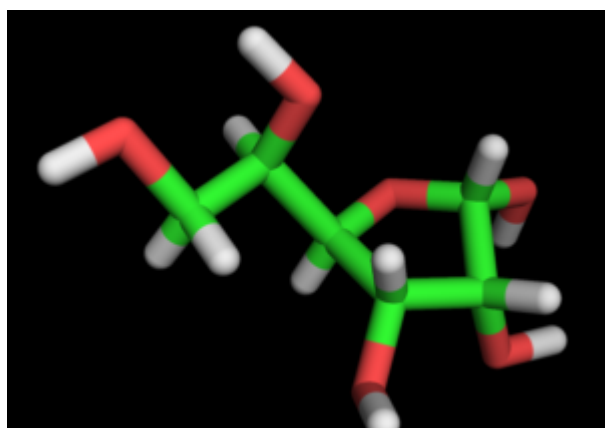
gets its name from Greek : *â??alloâ??* : different/strange



Î±-D-Allofuranose



Î±-D-Allofuranose



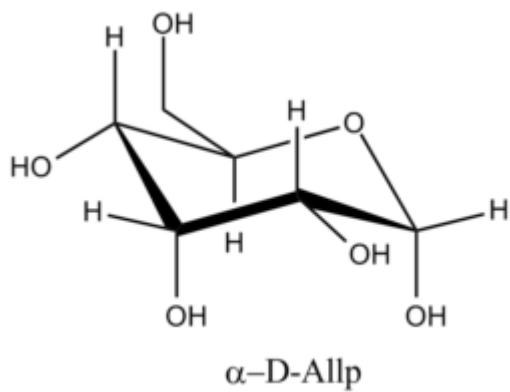
±-D-Allofuranose



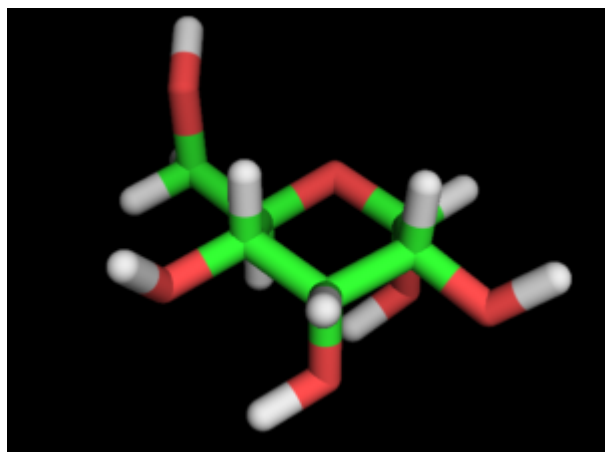
±-D-Allofuranose



±-D-Allopyranose



±-D-Allopyranose



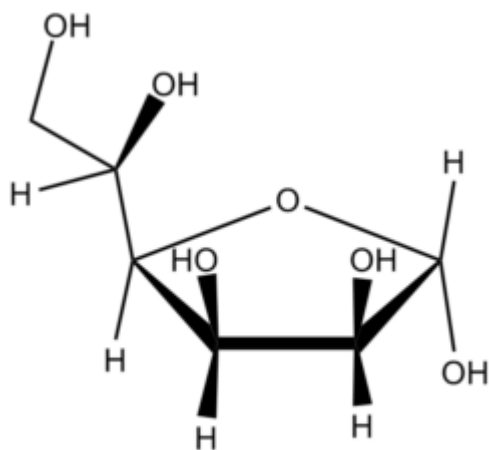
1±-D-Allopyranose



1±-D-Allopyranose

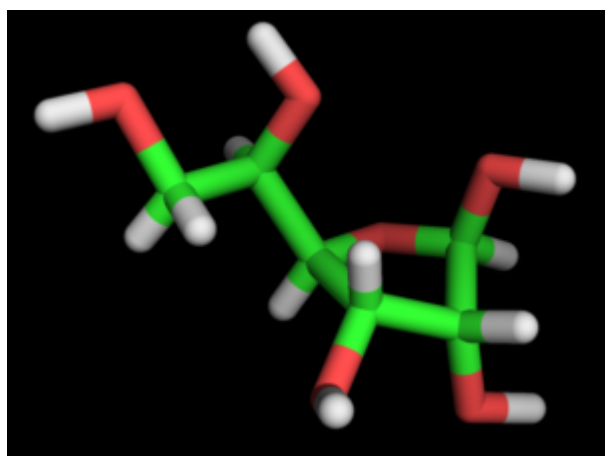


1±-L-Allofuranose



β -L-AlIf

1²-L-Allofuranose



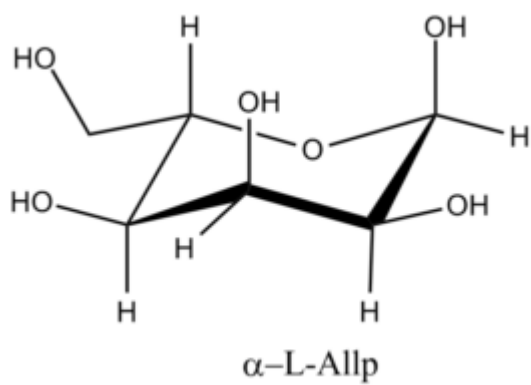
̂²-D-Allofuranose



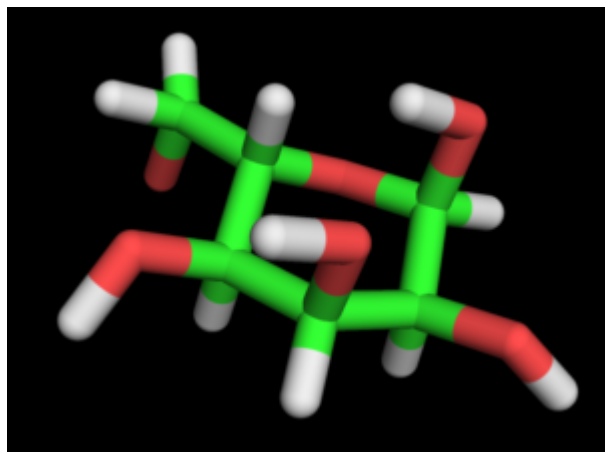
̂±-D-Allopyranose



̂±-L-Allopyranose



̂±-L-Allopyranose



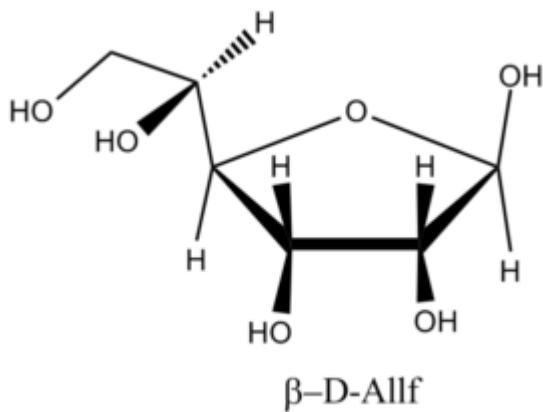
±-L-Allopyranose



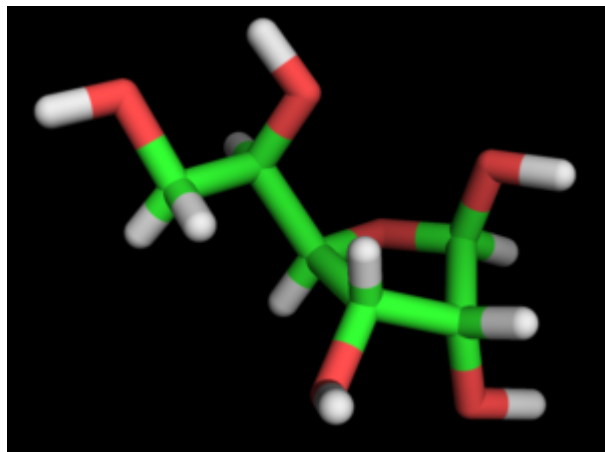
±-D-Allopyranose



²-D-Allofuranose



²-D-Allofuranose



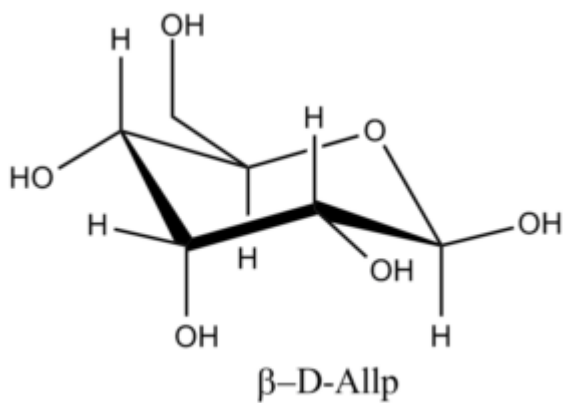
̢-D-Allofuranose



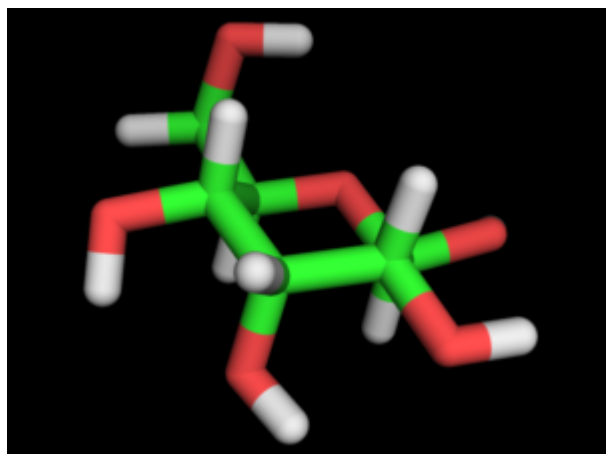
̢-D-Allofuranose

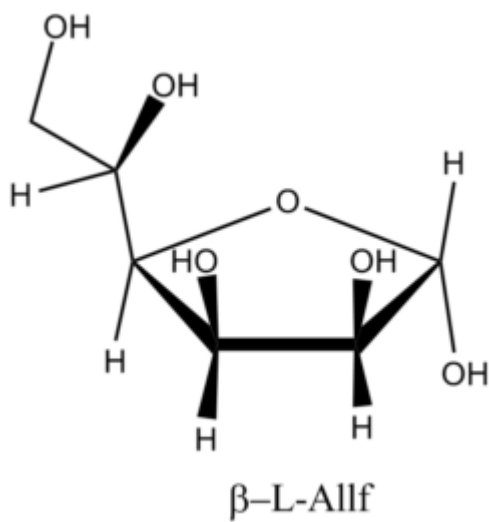
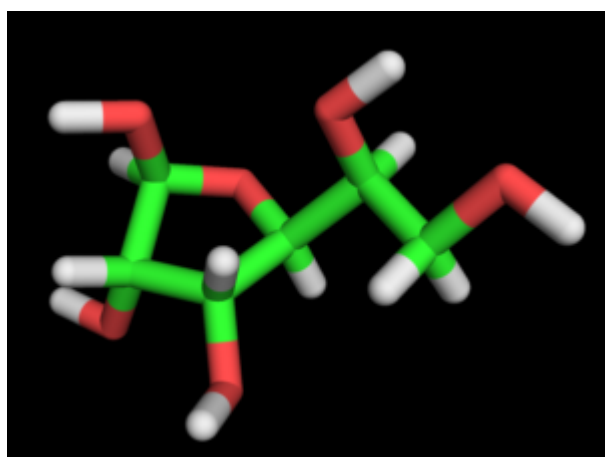


̢-D-Allopyranose



̢-D-Allopyranose



β -D-Allopyranose β -D-Allopyranose β -L-Allofuranose β -L-Allofuranose

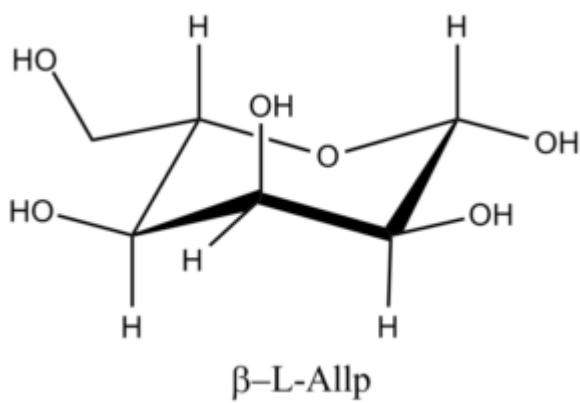
Î²-L-Allofuranose



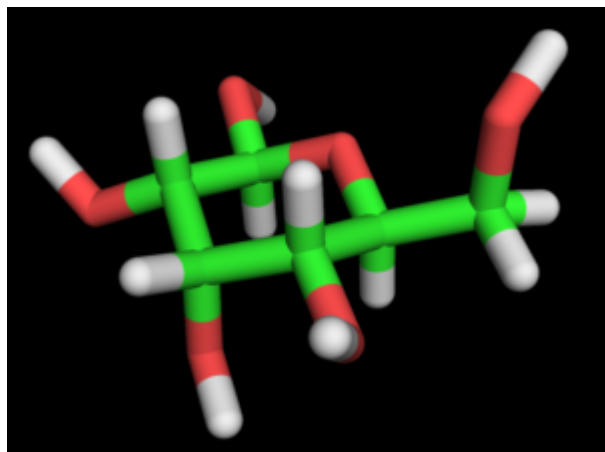
Î²-L-Allofuranose



Î²-L-Allopyranose



Î²-L-Allopyranose



Î²-L-Allopyranose



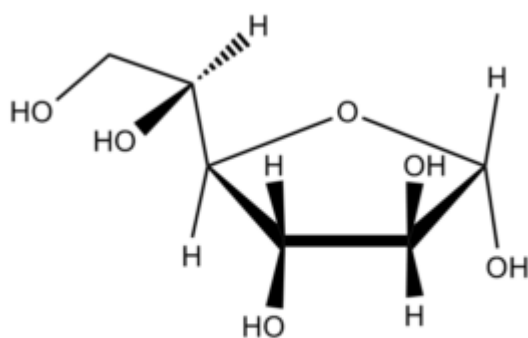
Î²-L-Allopyranose

ALTROSE

gets its name from Latin *idem* : same

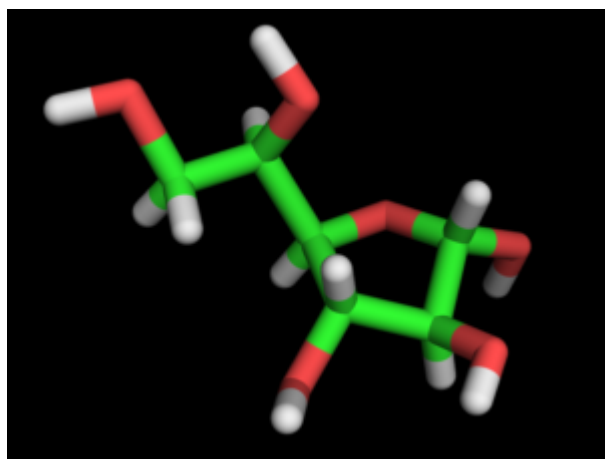


Î±-D-Altrofuranose



α -D-Alt f

Î±-D-Altrofuranose



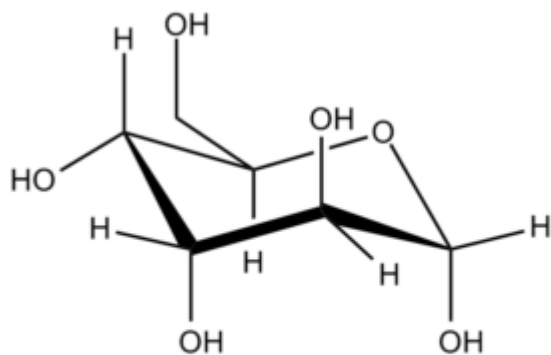
±-D-Altrofuranose



±-D-Altrofuranose

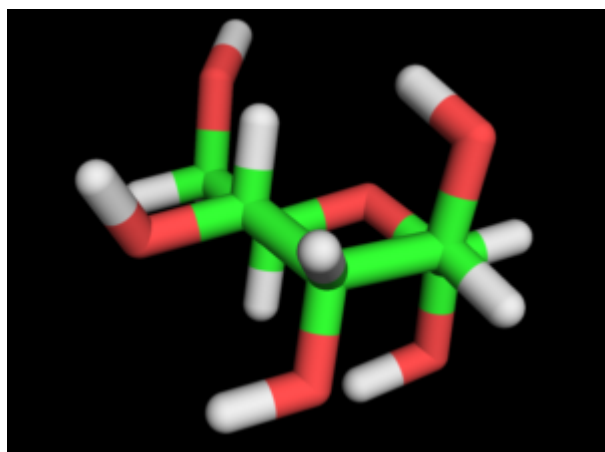


±-D-Altropyranose



α -D-Altp

±-D-Altropyranose



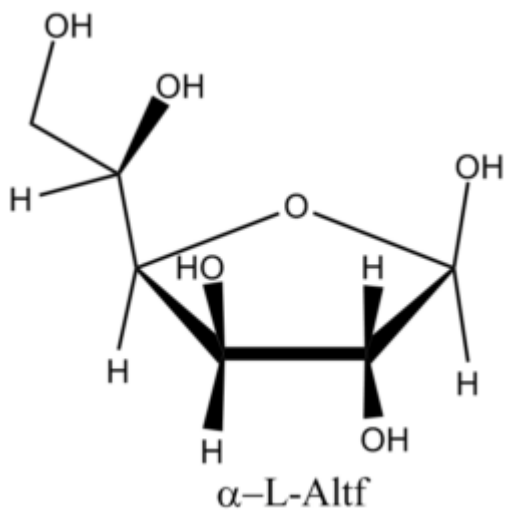
±-D-Altropyranose



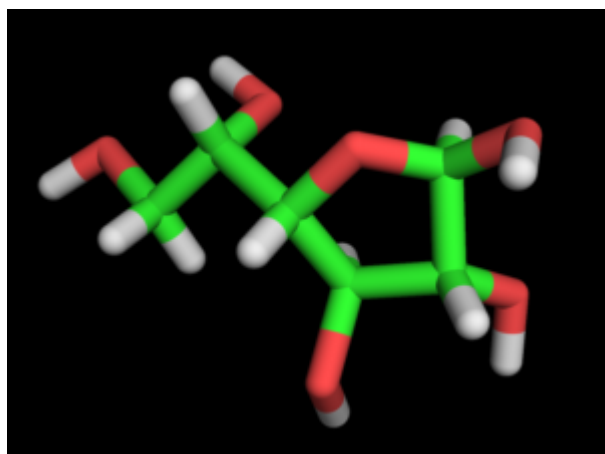
±-D-Altropyranose



±-L-Altrofuranose



±-L-Altrofuranose



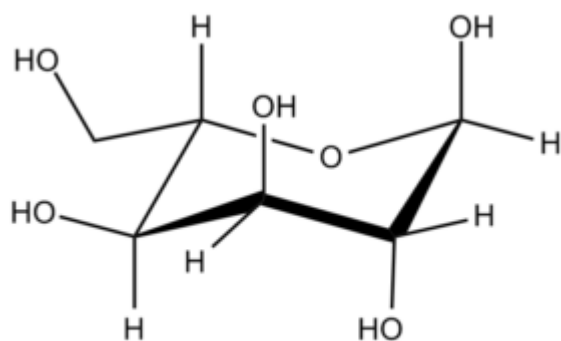
±-L-Altrofuranose



±-L-Altrofuranose

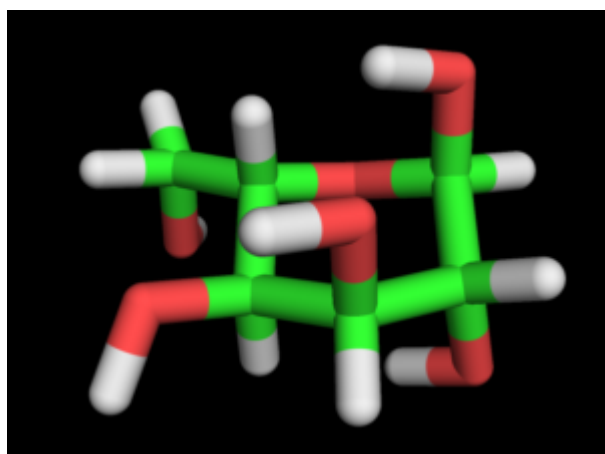


±-L-Altropyranose



α -L-Altp

±-L-Altropyranose



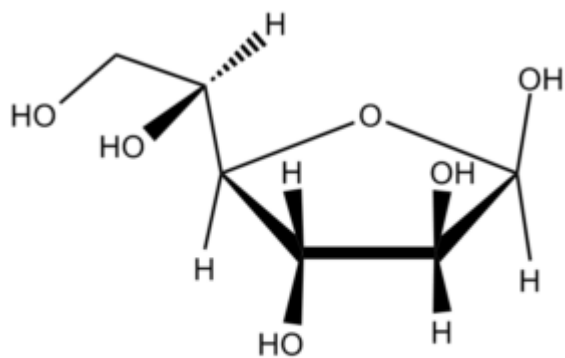
±-L-Altropyranose



±-L-Altropyranose

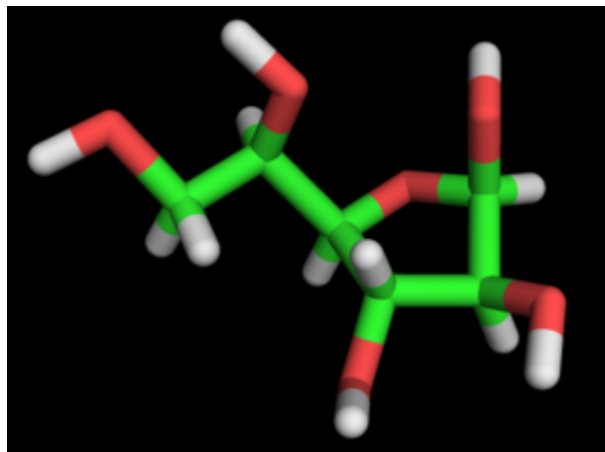


²-D-Altrofuranose



β -D-Altf

²-D-Altrofuranose



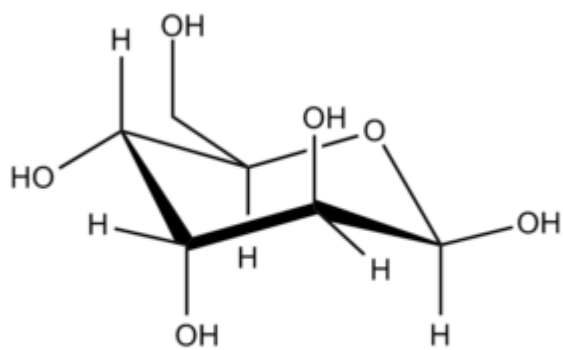
̢-D-Altrofuranose



̢-D-Altrofuranose

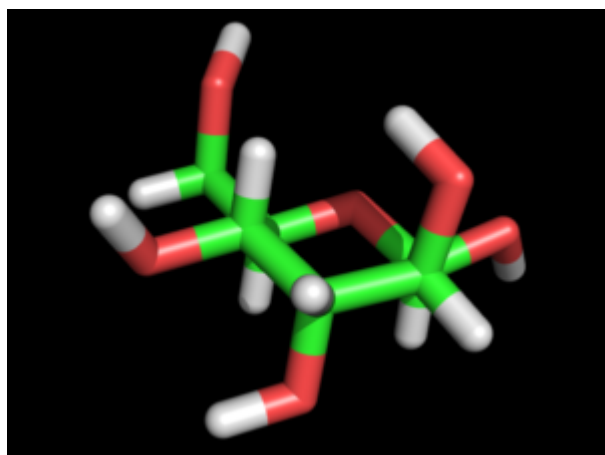


̢-D-Altropyranose



β -D-Altp

̢-D-Altropyranose



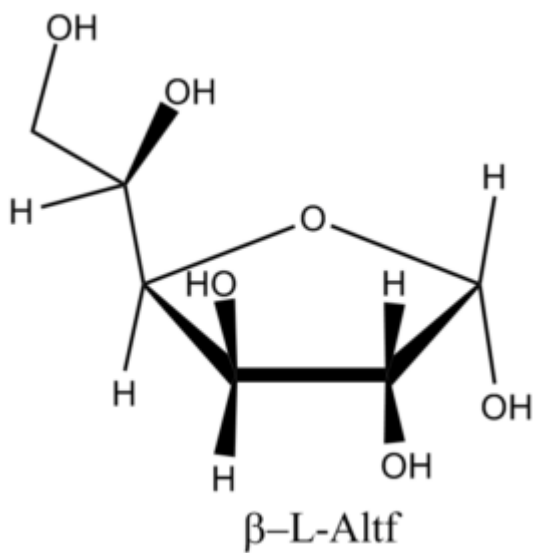
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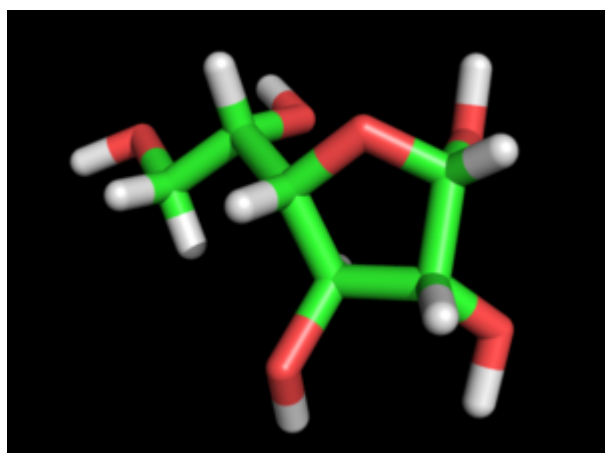
̢-D-Altropyranose



̢-L-Altrofuranose



̢-L-Altrofuranose



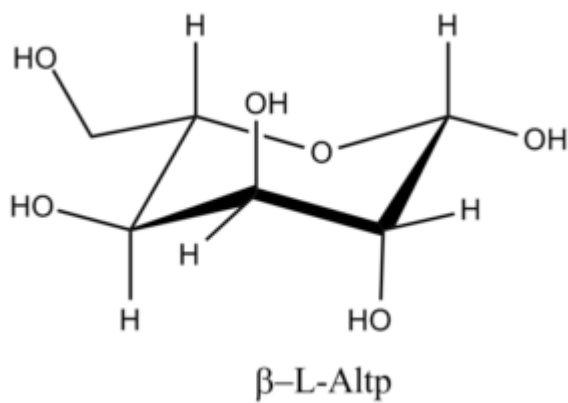
Î²-L-Altrofuranoose



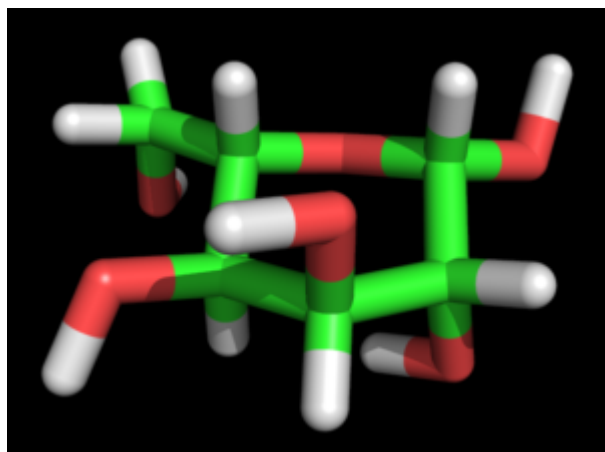
Î²-L-Altrofuranoose



Î²-L-Altropyranose



Î²-L-Altropyranose



1-L-Altropyranose



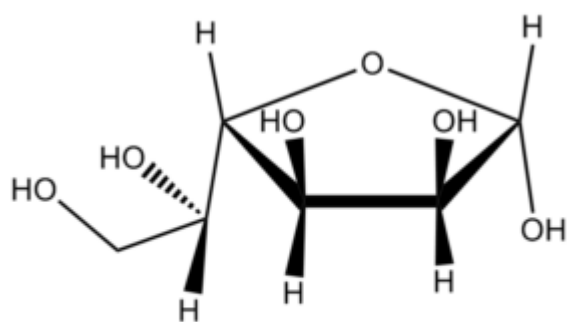
1-L-Altropyranose

TALOSE

gets its name from *Talos* who in Greek mythology was a giant who protected Europe in Crete

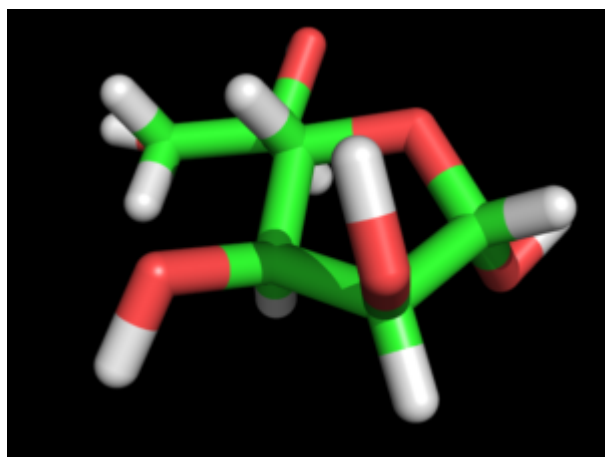


1-D-Talofuranose



α -D-Talf

1-D-Talofuranose



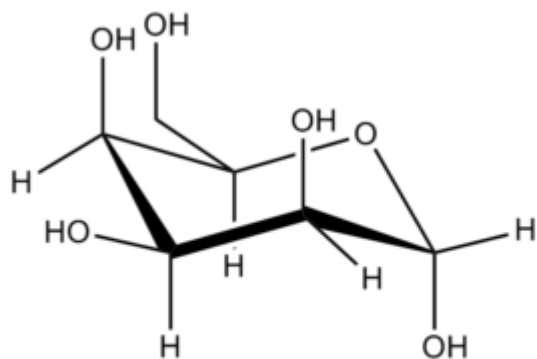
±-D-Talofuranose



±-D-Talofuranose

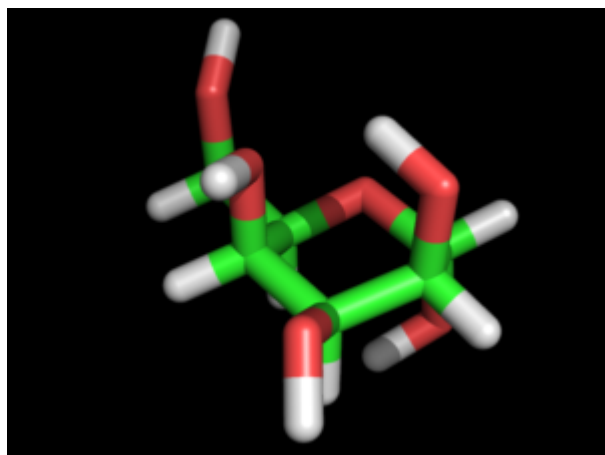


±-D-Talopyranose



α -D-Talp

±-D-Talopyranose



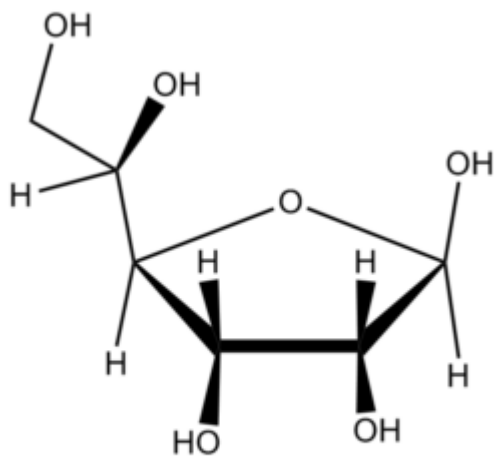
±-D-Talopyranose



±-D-Talopyranose

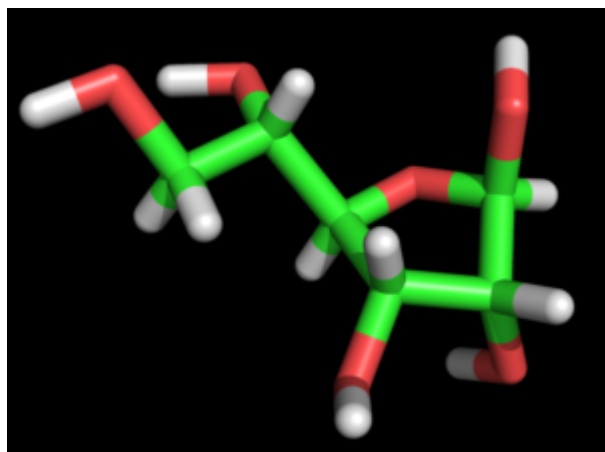


±-L-Talofuranose



α -L-Talf

±-L-Talofuranose



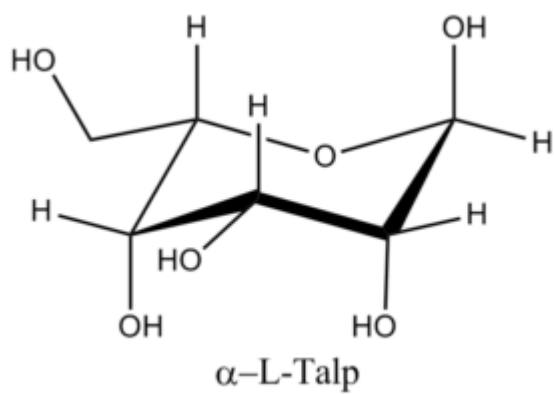
±-L-Talofuranose



±-L-Talofuranose



±-L-Talopyranose



±-L-Talopyranose



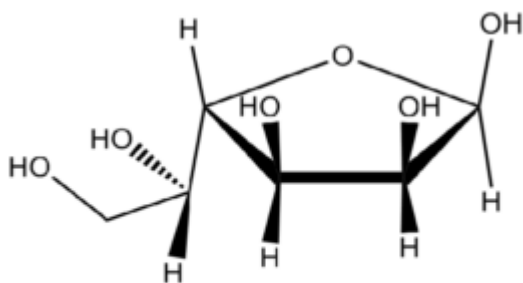
Î±-L-Talopyranose



Î±-L-Talopyranose

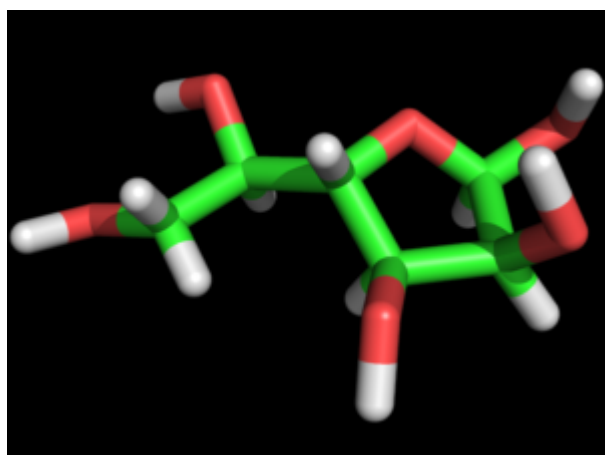


Î²-D-Talofuranose



β -D-Talf

Î²-D-Talofuranose



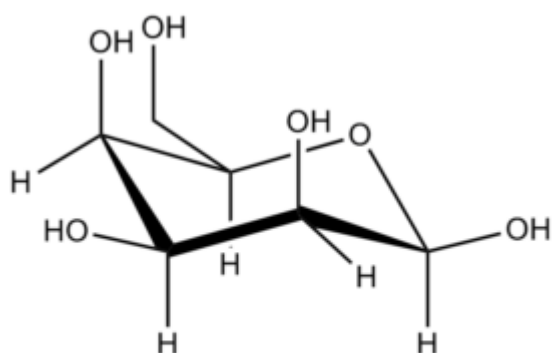
Î²-D-Talofuranose



Î²-D-Talofuranose

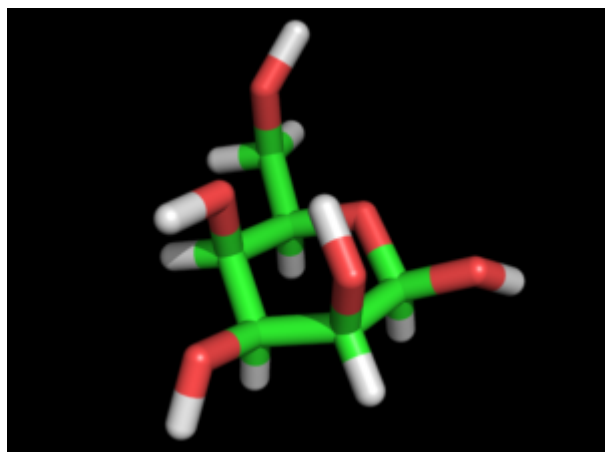


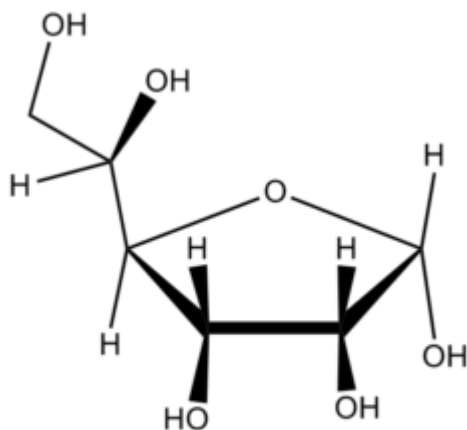
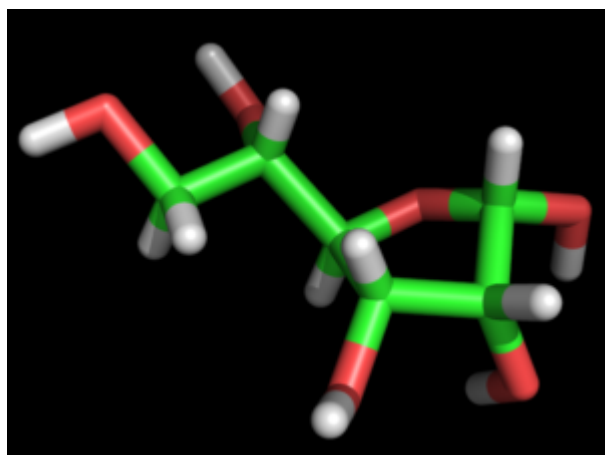
Î²-D-Talopyranose



β-D-Talp

Î²-D-Talopyranose



β -D-Talopyranose β -D-Talopyranose β -L-Talofuranose β -L-Talf β -L-Talofuranose

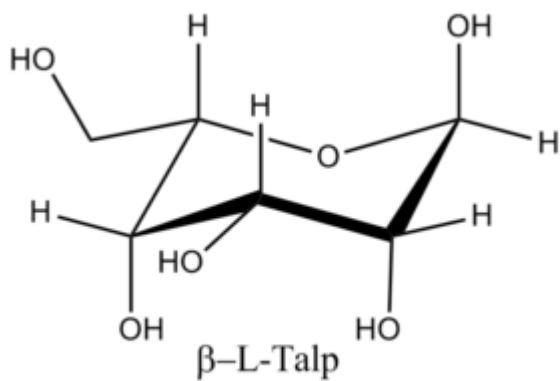
Î²-L-Talofuranose



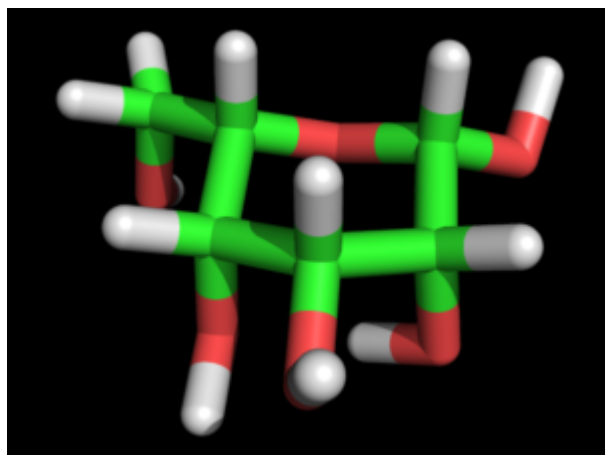
Î²-L-Talofuranose



88a. Î²-L-Talopyranose



Î²-L-Talopyranose



Î²-L-Talopyranose



Î²-L-Talopyranose

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