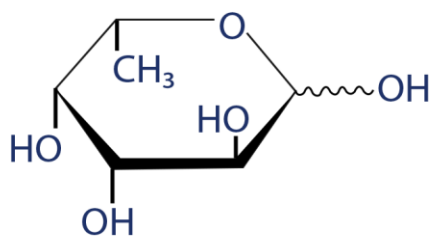


L-FUCOSE



PRODUCT IN FOCUS



L-Fucose

INTRODUCTION

L-Fucose is a colourless solid that belongs to class of deoxy sugars and is considered as one of the essential sugars for smooth functioning of the body. It occurs naturally in brown algal polysaccharide fucoidan and gums.

Manufacture

It is extracted from seaweed polysaccharides. Synthetically, it can be produced from acrylamide by a multi-step process.

Synonym	6-Deoxy-beta-galactose L-(-)-Rhodeose
CAS no.	2438-80-4
EINECS no.	219-452-7
Molecular formula	$C_6H_{12}O_5$
Molecular weight	164.16
Structure	

Applications

API

- Precursor for biologically active antibiotics, anti-cancer agents, and anti-inflammatory drugs

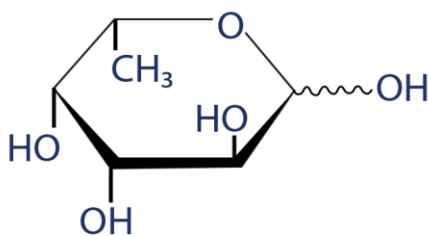
Intermediates

- 2-Chloro-4-nitrophenyl-alpha-L-fucopyranoside
- D-(+)-galactose
- 1,2,3,4-Tetra-O-benzoyl-L-fucopyranose
- L-Fucono-1,5-lactone
- L-Fucitol

Others

- Component of anti-aging creams and skin moisturizers
- As a dietary supplement
- In determination of antigens in blood groups A & B
- Promotes accelerated healing of wounds

L-FUCOSE



PRODUCT IN FOCUS



SPECIFICATIONS

Test	Unit	Specifications
Appearance	-	White to off-white powder
Solubility	-	Readily soluble in water
Identification		
By proton NMR	-	Should conform to the structure
By MS	-	Should conform to the molecular weight
Optical rotation	-	Should conform
Purity (HPLC-ELSD)	%	Min 99.0
Water	%	Max 1.0
Residual solvent	%	Max 1.0

STORAGE

At room temperature, dry sealed, protected from light

PACKING

25 kg Fibre drum

REACH Status

Not registered

ExSyn offers L-fucose (by fermentation) on commercial scales and welcomes enquiries. No matter the quantity you need, our exceptional quality and service will make ExSyn your supplier of choice! If you need any additional information or SDS, please contact us.