

Product Information

Fucoidan, *Cladosiphon*, Purity ≥95%

Cat. No.: X23-09-YW013

Size: 1 g; 2 g; 5 g; 10 g; 25 g

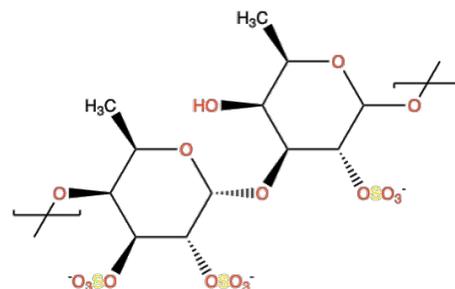
MDL: MFCD00131109

CAS Number: 9072-19-9

PubChem CID: 92023653

Synonym: Sulfated L-fucan; Sulfated L-fucose algal polysaccharide

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Fucoidan from <i>Cladosiphon</i> is a fucan sulphate that has been demonstrated to have anticoagulant action. Although galactose exists, the primary elements of fucoidan are α-1,4 and α-1,2 linked L-fucose sulphates, and there are various variants of the fundamental structure found in different species of <i>Phaeophyta</i> .
Molecular Weight	242.25
Molecular Formula	C ₇ H ₁₄ O ₇ S
IUPAC Name	[(2 <i>S</i> ,3 <i>S</i> ,4 <i>S</i> ,5 <i>S</i> ,6 <i>R</i>)-4,5-Dihydroxy-2,6-dimethyloxan-3-yl] hydrogen sulfate
InChI	InChI=1S/C7H14O7S/c1-3-5(8)6(9)7(4(2)13-3)14-15(10,11)12/h3-9H,1-2H3,(H,10,11,12)/t3-,4+,5-,6+,7-/m1/s1
InChI Key	NLMDZXKCTWKRSQ-IBISWUOJSA-N
Canonical SMILES	CC1C(C(C(C(O1)C)OS(=O)(=O)O)O)O
Isomeric SMILES	C[C@@H]1[C@H]([C@@H]([C@@H]([C@@H]([C@@H](O1)C)OS(=O)(=O)O)O)O)O
Source	<i>Cladosiphon</i>
Form	Reported
Purity	≥95%
Applications	Fucoidan from <i>Cladosiphon</i> is a type of brown seaweed that can be used in studying functional foods and dietary supplements due to its potential health benefits, including immune support and anti-inflammatory properties.
Storage	Store at -20°C.