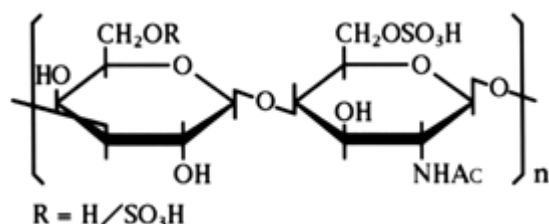


CATALOG # 400760
Package Size: 1 mg
Keratan Sulfate, Na Salt (from Bovine Cornea)
CAS Number: 9056-36-4
DESCRIPTION:

Keratan Sulfate, Na Salt (KS-1) from Bovine Cornea, Keratan Sulfuric Acid.

Source: Bovine cornea **Country of Origin:** Australia

 Keratan Sulfate was prepared from Bovine Cornea, purified by Schiller's column chromatographic method ² and chondroitinase ABC treatment.

REACTION:

SPECIFICATIONS:

Total Nitrogen	2.5 - 3.3%	Micro Kjeldahl ³
Total Sulfur	6.2 - 7.7%	Schoniger ⁴
Inorganic Sulfur	Not Detected	
Chloride	Not Detected	
Galactose	34 - 40%	Anthrone reaction ⁵
Galactosamine	N.D.	Amino Acid Autoanalyzer ⁶
Glucosamine	30 - 40%	Amino Acid Autoanalyzer ⁶
[α] _D ²⁰ (c=1 in water)	+3.5 - +5.0°	Automatic Polarimeter ⁷
Sialic Acid	0.5 - 1.5%	TBA method ⁸
Protein	1.0 - 2.0%	Lowry's method ⁹
Appearance:	Lyophilized	
Purity:	Migrated as a single band on cellulose acetate strip electrophoresis ¹⁰	

STORAGE:

Store at 4°C in a dry and dark place until opened. Following reconstitution, aliquot and freeze at -20°C.

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NOTE:

 For *in vitro* research use only – not for diagnostic or therapeutic use. This product is not a medical device.

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