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Fucosylated chondroitin sulfate oligosaccharides exert anticoagulant activity by targeting at intrinsic tenase complex with low FXII activation: Importance of sulfation pattern and molecular size

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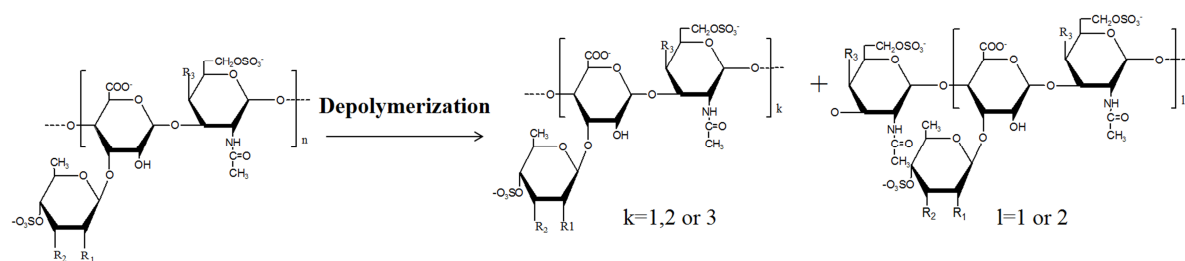
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#### Native fCS

- Inhibition of FIIa by HCII/AT
- Inhibition of FXa by AT
- Inhibition of FXa by tenase
- FXII activation

#### Pure oligosaccharides

- Selective inhibition of FXa by intrinsic tenase
- Negligible FXII activation
- Heptasaccharide is the minimum selective intrinsic tenase inhibitor

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