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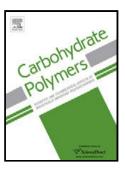
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### ACCEPTED MANUSCRIPT

Carbohydrate Polymers - CARBPOL-D-15-00299R1 Revised Original full-length research paper Maccari, Galeotti, Volpi 30/04/15

#### 1 Isolation and structural characterization of chondroitin sulfate from bony fishes

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### 5 Highlights

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- 1. Chondroitin sulfate (CS) was purified from the bones of common fishes
- 7 2. The disulfated species ΔDi2,6dis was present in all CS in a range of 1.3÷10.5%
- 3. These disaccharides may be a useful marker to check the CS marine origin
- 9 4. Spiny dogfish may be an alternative source of CS extracted from endangered shark
  - 5. CS from bony fishes may be useful for scientific and pharmacological applications

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