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Zuschläge

- Mindermengenzuschlag
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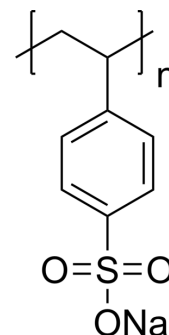
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Poly(sodium 4-styrenesulfonate)

Cat. No.:	HY-W739372
CAS No.:	25704-18-1
Molecular Formula:	C ₁₀ H ₁₃ NaO ₃ S
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Poly (sodium 4-styrenesulfonate) is a cation exchange polyelectrolyte used to prepare highly mechanically stable and highly reproducible coatings. During the reduction of graphene oxide, Poly (sodium 4-styrenesulfonate) is used to synthesize polymer-coated graphite nanosheets. Furthermore, the interactions between Poly (sodium 4-styrenesulfonate) and metal ions have been studied, and it has been combined with Nafion for mixed coatings in bismuth film electrodes, showcasing its broad application potential in functional materials and electrochemical research^{[1][2][3]}.

REFERENCES

- [1]. Rivas B L, et al. Poly (sodium 4-styrenesulfonate)–metal ion interactions[J]. Journal of applied polymer science, 1998, 70(2): 219-225.
- [2]. Stankovich S, et al. Stable aqueous dispersions of graphitic nanoplatelets via the reduction of exfoliated graphite oxide in the presence of poly (sodium 4-styrenesulfonate)[J]. Journal of Materials Chemistry, 2006, 16(2): 155-158.
- [3]. Jia J, et al. Nafion/Poly (sodium 4-styrenesulfonate) mixed coating modified bismuth film electrode for the determination of trace metals by Anodic stripping voltammetry[J]. Electroanalysis: An International Journal Devoted to Fundamental and Practical Aspects of Electroanalysis, 2007, 19(17): 1845-1849.

Caution: Product has not been fully validated for medical applications. For research use only.

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