

## Calcium polystyrene sulfonate

## Chemical Properties

CAS No. : 37286-92-3

Formula:  $(C_8H_8O_3S)_x \cdot xCa$ 

Molecular Weight:

Calcium polystyrene sulfonate

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Calcium polystyrene sulfonate (Poly(styrenesulfonic acid) calcium salt) is an ion-exchange resin. Calcium polystyrene sulfonate reduces blood levels of potassium and can be used for research on the treatment of hyperkalemia in patients with chronic kidney disease.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 1 mg/mL, Sonication is recommended. 1M HCl: < 1 mg/mL (insoluble), when pH is adjusted to 1 with HCl. Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Reference

Yu MY, et al. Long-term efficacy of oral calcium polystyrene sulfonate for hyperkalemia in CKD patients. PLoS One. 2017 Mar 22;12(3):e0173542.

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