

عنوان مقاله:

Gadolinium (III) PVC-Membrane Sensor based on N'-(2-oxo-1, 2-di (pyridine-2-yl) ethylidene) furan-2-carbohydrazide

محل انتشار:

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خلاصه مقاله:

N'-(2-oxo-1, 2-di (pyridine-2-yl) ethylidene) furan-2-carbohydrazide was employed as a lipophilic ionophore to preparation of a novel Gd³⁺ ion selective electrode. The electrode demonstrated the Nernstian behavior in concentration range of 1.0×10^{-6} and 1.0×10^{-2} M with the slope of 19.5 ± 0.3 mV/decade and the lower detection limit of 8.0×10^{-7} M.

کلمات کلیدی:

(PVC Membrane, Potentiometric Sensor, Ion Selective Electrode, Gadolinium (III)

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