

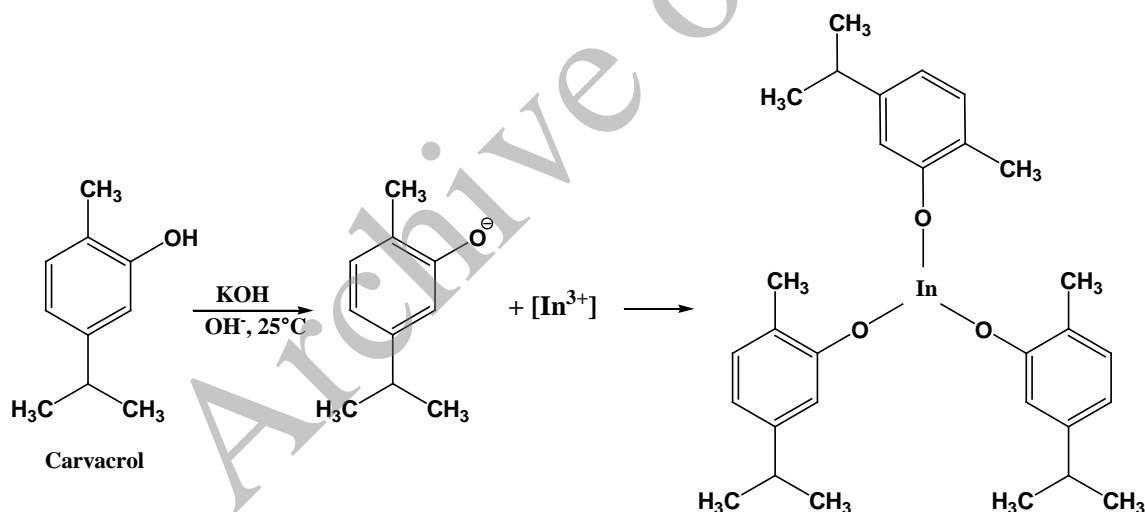
The Effect of pH on Labeling Saturex by [¹¹¹In]-indium

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The aim of this study was to satorex labeling by [¹¹¹In]-indium at different pH [1]. Satorex is a new herbal drug that 93% of it is carvacrol. Carvacrol has phenolic structure. This phenolic hydrogen is removed in the alkaline environment ethanolic KOH and produce complex with the In (III) [2]. The complex has more lipophilic character. Chromatographic system was used for the detection of the radiolabeled compound from the free indium cation. Using methanol and water (55:45) mixture, the radiolabeled compound remains at the origin of the paper of whatman No. 2 as a single peak, while free indium migrates to higher R_f(0.8)[3]. This substance as the annihilator some tumors and tracer in the industry nuclear medicine.



References

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