Analysis of parabens in baby food supplements

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Abstract

Parabens have been used for long time for the purpose of protection. Parabens have been known to have estrogenic activity in many *in vivo* and *in vitro* studies, and biomonitoring data indicated prevalent display in general populations. Fructose and saccharose which are carbohydrates have been employed widespread and they have caused infatile tooth decay. In this study, baby food which are sold in market has been scanned through its content and a paraben analysis of the supplement was perfomed. We planned this study of baby food within various trademark and packing. Gradients were analysed by use of LCMS, IT-TOF. As part of this study, 5 pieces of spoon food, 5 pieces of jar food, 2 pieces of baby biscuit, 1 piece of organic juice which totals to 13 products, have been purchased from 6 different companies. The peaks which were observed in a high-resolution mass spectrum has been scanned within a range of 10 ppm molecular mass from the drugbank.ca database and eventually, a qualitative analysis of related compounds was perfomed. As a result of analysis, no parabens were detected in any products. However, fructose and saccharose give rise to infantile tooth decay high incidence of establismented.

Biography

Derya Osmaniye has graduated with undergraduate degree in 2015, and now, is in second semester of Master's degree.

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