

# TEDX List of Potential Endocrine Disruptors

## isobutyl paraben

CAS # 4247-02-3

### Alternative Name

isobutyl p-hydroxybenzoate

### Categories\*

Medical/Veterinary/Research

Personal care product/Cosmetic ingredient

### Evidence Supporting This Chemical as an Endocrine Disruptor

Darbre PD, Byford JR, Shaw LE, Horton RA, Pope GS, Sauer MJ. 2002. Oestrogenic activity of isobutylparaben in vitro and in vivo. *J Appl Toxicol* 22(4):219-226.

Okubo T, Yokoyama Y, Kano K, Kano I. 2001. ER-dependent estrogenic activity of parabens assessed by proliferation of human breast cancer MCF-7 cells and expression of ER[alpha] and PR. *Food Chem Toxicol* 39(12):1225-1232.

Terasaki M, Kamata R, Shiraishi F, Makino M. 2009. Evaluation of estrogenic activity of parabens and their chlorinated derivatives by using the yeast two-hybrid assay and the enzyme-linked immunosorbent assay. *Environ Toxicol Chem* 28(1):204-208.

Vo TT, Jeung EB. 2009. An evaluation of estrogenic activity of parabens using uterine calbindin-d9k gene in an immature rat model. *Toxicol Sci* 112(1):68-77.

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### \*Category References

Drugs.com.

EWG.



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