Benzophenone-2 (BP-2)

C₁₃H₁₀O₅

Summary of Health Effects
BP-2 can disrupt the endocrine system in animals.

How is BP-2 used?
BP-2 is a chemical ingredient used in sunscreen and personal care products to provide sun-protection by filtering ultraviolet light.¹

Toxicity: What are its health effects?
BP-2 altered the hypothalamic-pituitary axis²,³ and caused an increase in hypospadias in rats.⁴ A study of BP-2 exposure in mice found that BP-2 decreased the production of testosterone and, therefore, may reduce chemicals in the thyroid which affect the production of steroid hormones in the testis.⁵

Exposure: How can a person come in contact with it?
A person can come in contact with BP-2 by breathing or swallowing it, or from skin contact.⁶,⁷

The 2014 National Health and Nutrition Examination Survey (NHANES) report did not include data for BP-2.

References