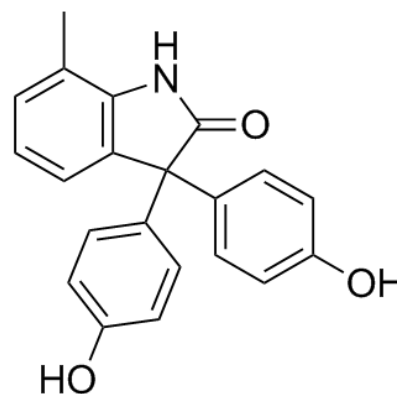


**Product Name** : BHPI  
**Cat. No.** : PC-43234  
**CAS No.** : 56632-39-4  
**Molecular Formula** : C<sub>21</sub>H<sub>17</sub>NO<sub>3</sub>  
**Molecular Weight** : 331.3646  
**Target** : Estrogen Receptor/ERR  
**Solubility** : DMSO: ≥150 mg/mL



### Biological Activity

BHPI is a potent, noncompetitive small molecule ER $\alpha$  inhibitor (biomodulator) that selectively blocks proliferation of drug-resistant ER $\alpha$ -positive breast and ovarian cancer cells; distorts this normal action of E<sub>2</sub>-ER $\alpha$  and induces a massive and sustained ER $\alpha$ -dependent activation of the unfolded protein response (UPR), persistent inhibition of protein synthesis, converting UPR activation from cytoprotective to cytotoxic; completely blocked proliferation of ER $\alpha$ + cancer cells at 100-1000 nM, induces tumor regression in mouse xenograft of MCF-7 cells.

### References

Andruska ND, et al. Proc Natl Acad Sci U S A. 2015 Apr 14;112(15):4737-42.

Zheng X, et al. Oncotarget. 2016 Jul 24;9(19):14741-14753.

Mao C, et al. Sci Rep. 2016 Oct 7;6:34753.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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