

Certificate of Analysis

Product Name: BHPI

Catalog No.: 6116

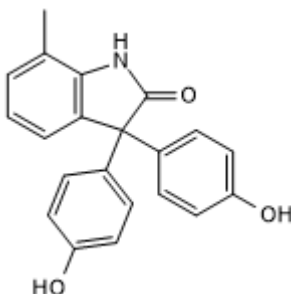
Batch No.: 1

CAS Number: 56632-39-4

IUPAC Name: 1,3-Dihydro-3,3-bis(4-hydroxyphenyl)-7-methyl-2*H*-indol-2-one

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₁H₁₇NO₃·¼H₂O
Batch Molecular Weight: 335.86
Physical Appearance: Light Beige solid
Solubility: DMSO to 100 mM
ethanol to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.5 (Dichloromethane:Methanol [9:1])
HPLC: Shows 98.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	75.1	5.25	4.17
Found	75.35	5.11	4.07

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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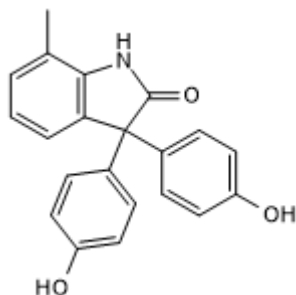
IUPAC Name: 1,3-Dihydro-3,3-bis(4-hydroxyphenyl)-7-methyl-2*H*-indol-2-one**Description:**

Estrogen receptor (ER) α inhibitor. Inhibits proliferation of drug-resistant ER α -positive breast and ovarian cancer cells. Induces sustained activation of the unfolded protein response. Active in vivo.

Physical and Chemical Properties:Batch Molecular Formula: C₂₁H₁₇NO₃·¼H₂O

Batch Molecular Weight: 335.86

Physical Appearance: Light Beige solid

Minimum Purity: >98%**Batch Molecular Structure:****References:**

Andruska et al (2015) Estrogen receptor α inhibitor activates the unfolded protein response, blocks protein synthesis, and induces tumor regression. *Proc.Natl.Acad.Sci.U.S.A.* **112** 4737. PMID: 25825714.

Storage: Store at -20°C**Solubility & Usage Info:**DMSO to 100 mM
ethanol to 100 mM**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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