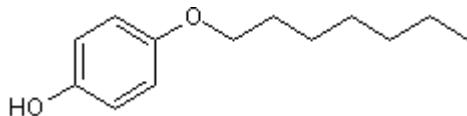


**Certificate of Analysis**[www.tocris.com](http://www.tocris.com)**Product Name:** AC 45594**Catalog No.:** 3043**Batch No.:** 1**CAS Number:** 13037-86-0**IUPAC Name:** 4-(Heptyloxy)phenol**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C<sub>13</sub>H<sub>20</sub>O<sub>2</sub>·½H<sub>2</sub>O**Batch Molecular Weight:** 212.8**Physical Appearance:** Off-white crystalline solid**Solubility:** DMSO to 100 mM  
ethanol to 100 mM**Storage:** Store at +4°C**Batch Molecular Structure:****2. ANALYTICAL DATA****Melting Point:** At 61°C**HPLC:** Shows >99.3% purity**<sup>1</sup>H NMR:** Consistent with structure**Mass Spectrum:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

Theoretical 73.37 9.71

Found 73.8 9.49

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

**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**[www.tocris.com/distributors](http://www.tocris.com/distributors)

Tel: +1 612 379 2956

## Product Information

[www.tocris.com](http://www.tocris.com)**Product Name:** AC 45594**Catalog No.:** 3043**Batch No.:** 1

CAS Number: 13037-86-0

IUPAC Name: 4-(Heptyloxy)phenol

**Description:**

Selective inverse agonist at the orphan nuclear receptor steroidogenic factor-1 (SF-1) ( $IC_{50}$ = 50 - 100 nM). Displays no activity at estrogen, LRH-1, ROR, ERR or Nurr receptors. Inhibits SFRE-mediated transcription.

**Storage:** Store at +4°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:

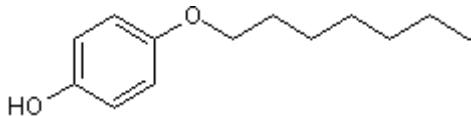
**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**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.

**Physical and Chemical Properties:**Batch Molecular Formula:  $C_{13}H_{20}O_2 \cdot 1/4H_2O$ 

Batch Molecular Weight: 212.8

Physical Appearance: Off-white crystalline solid

**Minimum Purity:** >99%**Batch Molecular Structure:****References:**

**Del Tredici et al** (2008) Identification of the first synthetic steroidogenic factor 1 inverse agonist.: pharmacological modulation of steroidogenic enzymes. *Mol.Pharmacol.* **73** 900. PMID: 18055761.

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**bio-technne.com**info@bio-technne.com  
techsupport@bio-technne.com**North America**

Tel: (800) 343 7475

**China**info.cn@bio-technne.com  
Tel: +86 (21) 52380373**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**[www.tocris.com/distributors](http://www.tocris.com/distributors)  
Tel: +1 612 379 2956