

## Certificate of Analysis

**Product Name:** AC 45594

**Catalog No.:** 3043

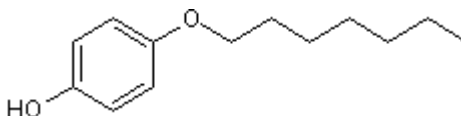
**Batch No.:** 1

CAS Number: 13037-86-0

IUPAC Name: 4-(Heptyloxy)phenol

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:**  $C_{13}H_{20}O_2 \cdot \frac{1}{4}H_2O$   
**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

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**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.

**Physical and Chemical Properties:**

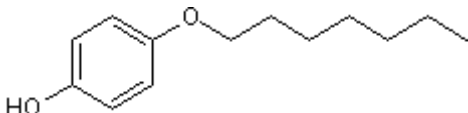
Batch Molecular Formula:  $C_{13}H_{20}O_2 \cdot \frac{1}{4}H_2O$

Batch Molecular Weight: 212.8

Physical Appearance: Off-white crystalline solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**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.

**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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