

**Product Name:** alpha-Naphtholbenzein  
**Catalog Number:** 415321000

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**CAS Number:** 145-50-6  
**IUPAC Name:** (4E)-4-[(4-hydroxynaphthalen-1-yl)(phenyl)methylidene]-1,4-dihydronaphthalen-1-one  
**Molecular Formula:** C<sub>27</sub>H<sub>18</sub>O<sub>2</sub>  
**Molecular Weight:** 374.44  
**InChI Key:** VDDWRTZCUJCDJM-SOYKGTTHSA-N  
**SMILES:** OC1=C2C=CC=CC2=C(C=C1)C(\C1=CC=CC=C1)=C1/C=CC(=O)C2=CC=CC=C12  
**Synonym:** (4E)-4-[(4-hydroxynaphthalen-1-yl)(phenyl)methylidene]naphthalen-1-one

### Product Specification

**Appearance (Color):** Dark red to red-brown to brown-black  
**Appearance (Color):** to orange-brown  
**Appearance (Form):** Powder  
**Infrared spectrum:** Conforms  
**Molar extinction coefficient:** >=50000 (0.01 g/l methanol) (207-213 nm)  
**Visual transition interval:** from pH 8.2(yellow to orange) to pH 10(green-bleu)

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**Date Of Print:** 07/10/2025

*Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.*