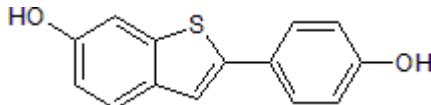


Certificate of Analysiswww.tocris.com**Product Name:** BTC**Catalog No.:** 5421**Batch No.:** 1

CAS Number: 63676-22-2

IUPAC Name: 2-(4-Hydroxyphenyl)benzo[*b*]thiophene-6-ol**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C₁₄H₁₀O₂S**Batch Molecular Weight:** 242.29**Physical Appearance:** Beige solid**Solubility:** DMSO to 50 mM
ethanol to 50 mM**Storage:** Store at -20°C**Batch Molecular Structure:****2. ANALYTICAL DATA****HPLC:** Shows 99.2% purity**¹H NMR:** Consistent with structure**Mass Spectrum:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

Theoretical 69.4 4.16

Found 69.42 4.19

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

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Product Information

www.tocris.com**Product Name:** BTC**Catalog No.:** 5421**Batch No.:** 1

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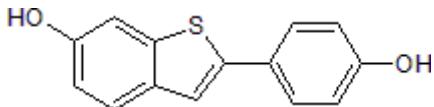
Description:

Selective estrogen receptor modulator (SERM); induces regression of tamoxifen-resistant, hormone independent xenograft tumors. Displays no significant gain in uterine weight in treated mice.

Physical and Chemical Properties:Batch Molecular Formula: C₁₄H₁₀O₂S

Batch Molecular Weight: 242.29

Physical Appearance: Beige solid

Minimum Purity: >99%**Batch Molecular Structure:****Storage:** Store at -20°C**Solubility & Usage Info:**DMSO to 50 mM
ethanol to 50 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:

Molloy et al (2014) Novel selective estrogen mimics for the treatment of tamoxifen-resistant breast cancer. *Mol.Cancer.Ther.* **13** 2515. PMID: 25205655.

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