

**Certificate of Analysis**[www.tocris.com](http://www.tocris.com)

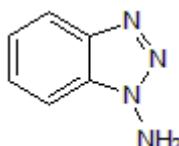
**Product Name:** ABT  
**CAS Number:** 1614-12-6  
**IUPAC Name:** 1H-Benzotriazol-1-amine

**Catalog No.:** 5038      **Batch No.:** 1

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>6</sub>H<sub>6</sub>N<sub>4</sub>  
**Batch Molecular Weight:** 134.14  
**Physical Appearance:** White solid  
**Solubility:** water to 100 mM  
DMSO to 100 mM  
ethanol to 100 mM  
**Storage:** Store at RT

**Batch Molecular Structure:**

**2. ANALYTICAL DATA**

**Melting Point:** At 843°C  
**HPLC:** Shows 99.5% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:** Carbon Hydrogen Nitrogen  
Theoretical    53.72    4.51    41.77  
Found            53.62    4.54    42.1

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

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## Product Information

[www.tocris.com](http://www.tocris.com)**Product Name:** ABT**Catalog No.:** 5038**Batch No.:** 1

CAS Number: 1614-12-6

IUPAC Name: 1H-Benzotriazol-1-amine

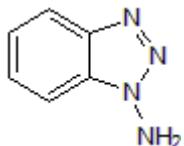
**Description:**

Cytochrome P450 inhibitor. Inhibits synthesis of the eicosanoid 20-hydroxyeicosatetraenoic acid (20-HETE). Reduces intimal hyperplasia and vascular remodeling following endothelial injury in rat carotid arteries.

**Physical and Chemical Properties:**Batch Molecular Formula: C<sub>6</sub>H<sub>6</sub>N<sub>4</sub>

Batch Molecular Weight: 134.14

Physical Appearance: White solid

**Minimum Purity:** >98%**Batch Molecular Structure:****Storage:** Store at RT**Solubility & Usage Info:**

water to 100 mM

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:**

**Mathews et al** (1985) Inactivation of rabbit pulmonary cytochrome P-450 in microsomes and isolated perfused lungs by the suicide substrate 1-aminobenzotriazole. *J.Pharmacol.Exp.Ther.* **235** 186. PMID: 4045721.

**Orozco et al** (2013) 20-hydroxyeicosatetraenoic acid inhibition attenuates balloon injury-induced neointima formation and vascular remodeling in rat carotid arteries. *J.Pharmacol.Exp.Ther.* **346** 67. PMID: 23658377.

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