

## Certificate of Analysis

**Product Name:** Tenovin-1

**Catalog No.:** 3365

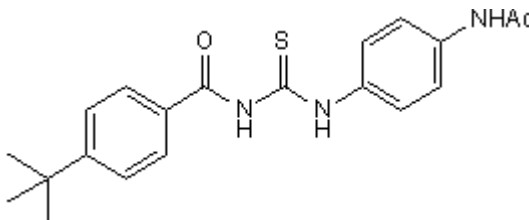
**Batch No.:** 1

CAS Number: 380315-80-0

IUPAC Name: *N*-[[[4-(Acetylamino)phenyl]amino]thioxomethyl]-4-(1,1-dimethylethyl)benzamide

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>20</sub>H<sub>23</sub>N<sub>3</sub>O<sub>2</sub>S  
**Batch Molecular Weight:** 369.48  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 25 mM  
 ethanol to 5 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**Melting Point:** At 202°C  
**HPLC:** Shows >99.6% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	65.02	6.27	11.37
Found	65.2	6.28	11.35

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

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**Description:**

p53 activator that protects against MDM2-mediated p53 degradation. Elevates levels of p53 and p21<sup>CIP/WAF1</sup> and induces expression from an endogenous p53-dependent promoter. Exhibits potent antiproliferative activity in vitro.

**Physical and Chemical Properties:**

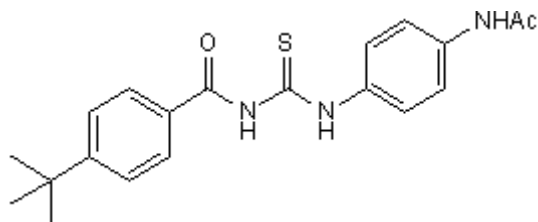
Batch Molecular Formula: C<sub>20</sub>H<sub>23</sub>N<sub>3</sub>O<sub>2</sub>S

Batch Molecular Weight: 369.48

Physical Appearance: White solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 25 mM

ethanol to 5 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:**

Lain *et al* (2008) Discovery, in vivo activity, and mechanism of action of a small-molecule p53 activator. *Cancer Cell* **13** 454. PMID: 18455128.

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