

**Product Name:** HLI 373

**Catalog No.:** 3503

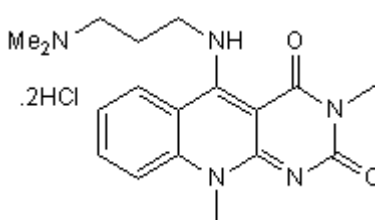
**Batch No.:** 1

**CAS Number:** 502137-98-6

**IUPAC Name:** 5-[[3-Dimethylamino)propyl]amino]-3,10-dimethylpyrimido[4,5-b]quinoline-2,4(3*H*,10*H*)-dione dihydrochloride

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>18</sub>H<sub>23</sub>N<sub>5</sub>O<sub>2</sub>.HCl.<sub>3/4</sub>H<sub>2</sub>O  
**Batch Molecular Weight:** 427.84  
**Physical Appearance:** Cream solid  
**Solubility:** water to 100 mM  
DMSO to 10 mM  
**Storage:** Desiccate at RT  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.7% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	50.53	6.24	16.37
Found	50.73	6.16	16.31

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

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**Description:**

Inhibitor of Hdm2 ubiquitin ligase (E3). Blocks Hdm2-mediated ubiquitylation and proteasomal degradation of p53; activates p53-dependent transcription. Induces apoptosis in several tumor cell lines that express wild-type p53 such as LOX-IMVI, A549, HT1080 and U2OS.

**Physical and Chemical Properties:**

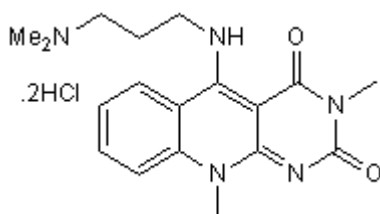
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Batch Molecular Weight: 427.84

Physical Appearance: Cream solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**Storage:** Desiccate at RT

**Solubility & Usage Info:**

water to 100 mM

DMSO to 10 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:**

**Kitagaki et al** (2008) Targeting tumor cells expressing p53 with a water-soluble inhibitor of Hdm2. *Mol.Cancer Ther.* **7** 2445. PMID: 18723490.

**Yang et al** (2009) Targeting the ubiquitin-proteasome system for cancer therapy. *Cancer Sci.* **100** 24. PMID: 19037995.

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