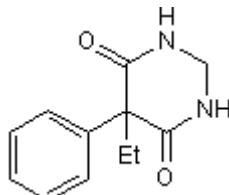


**Certificate of Analysis**[www.tocris.com](http://www.tocris.com)**Product Name:** Primidone**Catalog No.:** 0830**Batch No.:** 1

CAS Number: 125-33-7

EC Number: 204-737-0

IUPAC Name: 5-Ethyldihydro-5-phenyl-4,6(1H,5H)-pyrimidinedione

**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C<sub>12</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>**Batch Molecular Weight:** 218.11**Physical Appearance:** White solid**Solubility:** DMSO to 100 mM**Storage:** Store at RT**Batch Molecular Structure:****2. ANALYTICAL DATA****TLC:** R<sub>f</sub> = 0.5 (Ethyl acetate:Petroleum ether [1:10])**Melting Point:** 274°C**<sup>1</sup>H NMR:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

Theoretical 66.04 6.47 12.84

Found 66.22 6.62 13.01

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:** Primidone

CAS Number: 125-33-7

IUPAC Name: 5-Ethyldihydro-5-phenyl-4,6(1H,5H)-pyrimidinedione

**Catalog No.:** 0830**Batch No.:** 1

EC Number: 204-737-0

**Description:**

Anticonvulsant.

**Storage:** Store at RT**Solubility & Usage Info:**

DMSO to 100 mM

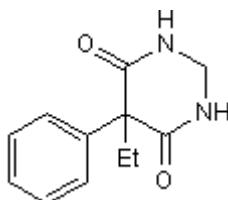
**Stability and Solubility Advice:**

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.

**Batch Molecular Structure:****References:**

Merck Index 12 7927.

**Loscher and Honack** (1989) Comparison of the anticonvulsant efficacy of primidone and phenobarbital during chronic treatment of amygdala-kindled rats. *Eur.J.Pharmacol.* **162** 309. PMID: 2721568.

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