

# Certificate of Analysis

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**Product Name:** Flurofamide

**Catalog No.:** 0478

**Batch No.:** 2

CAS Number: 70788-28-2

IUPAC Name: *N*-(Diaminophosphinyl)-4-fluorobenzamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>7</sub>H<sub>9</sub>FN<sub>3</sub>O<sub>2</sub>P

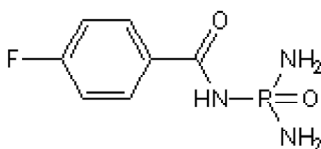
**Batch Molecular Weight:** 217.14

**Physical Appearance:** White solid

**Solubility:** DMSO to 50 mM

**Storage:** Store at RT

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

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

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## Product Information

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**Catalog No.:** 0478

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CAS Number: 70788-28-2

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### Description:

Flurofamide is a urease inhibitor.

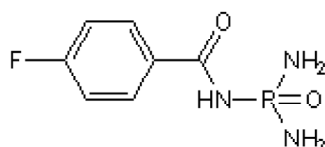
### Physical and Chemical Properties:

Batch Molecular Formula: C<sub>7</sub>H<sub>9</sub>FN<sub>3</sub>O<sub>2</sub>P

Batch Molecular Weight: 217.14

Physical Appearance: White solid

### Batch Molecular Structure:



**Storage:** Store at RT

### Solubility & Usage Info:

DMSO 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. \*Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

**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:

**Millner *et al*** (1982) Flurofamide: a potent inhibitor of bacterial urease with potential clinical utility in the treatment of infection induced urinary stones. *J.Urol.* **127** 346. PMID: 7038144.

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