

Certificate of Analysis

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Product Name: Flurofamide

Catalog No.: 0478

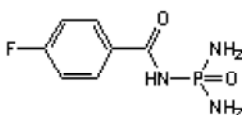
Batch No.: 1

CAS Number: 70788-28-2

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₇H₉FN₃O₂P
Batch Molecular Weight: 217.14
Physical Appearance: White solid
Solubility: DMSO to 50 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.88 (Pyridine:Acetic acid:Water:Butanol [3:8:11:33])
Melting Point: Greater than 320°C
HPLC: Shows 92.6% purity
¹H NMR: Consistent with structure

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

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Description:

Flurofamide is a urease inhibitor.

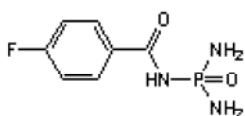
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Batch Molecular Structure:



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. 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:

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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