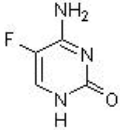


Product datasheet

5-Fluorocytosine (5-FC), antifungal agent ab141197

1 Image

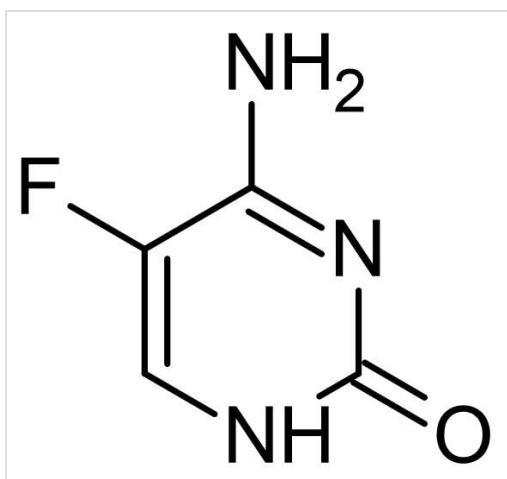
Overview

| | |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name | 5-Fluorocytosine (5-FC), antifungal agent |
| Description | Antimycotic prodrug |
| Biological description | Antimycotic prodrug, converted to 5-fluorouracil. Disrupts DNA and RNA synthesis. Displays antifungal and antitumor activity. Active <i>in vivo</i> . |
| Purity | > 99% |
| CAS Number | 2022-85-7 |
| Chemical structure |  |

Properties

| | |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chemical name | 4-Amino-5-fluoropyrimidine-2(1H)-one |
| Molecular weight | 129.09 |
| Molecular formula | C ₄ H ₄ FN ₃ O |
| PubChem identifier | 3366 |
| Storage instructions | Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months. |
| Solubility overview | Soluble in DMSO to 50 mM and in water to 50 mM |
| Handling | <p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p> |
| SMILES | FC1=CNC(=O)N=C1N |
| Source | Synthetic |

Images



Chemical Structure - 5-Fluorocytosine (5-FC),
antifungal agent (ab141197)

2D chemical structure image of ab141197, 5-Fluorocytosine (5-FC), antifungal agent

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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Terms and conditions

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- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team