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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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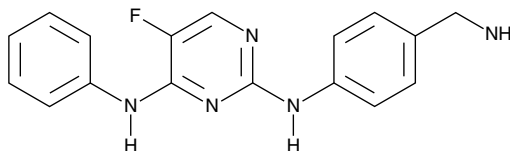
Product Information



CZC-8004

Item No. 16718

CAS Registry No.: 916603-07-1
Formal Name: N²-[4-(aminomethyl)phenyl]-5-fluoro-N⁴-phenyl-2,4-pyrimidinediamine
Synonym: Dianilinopyrimidine-01
MF: C₁₇H₁₆FN₅
FW: 309.3
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis.: λ_{max}: 274, 321 nm



Laboratory Procedures

For long term storage, we suggest that CZC-8004 be stored as supplied at -20°C. It should be stable for at least two years.

CZC-8004 is supplied as a crystalline solid. A stock solution may be made by dissolving the CZC-8004 in the solvent of choice. CZC-8004 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of CZC-8004 in these solvents is approximately 0.1, 5, and 2 mg/ml, respectively.

CZC-8004 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, CZC-8004 should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. CZC-8004 has a solubility of approximately 0.5 mg/ml in a 1:1 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

CZC-8004 is an aminopyrimidine that binds a range of tyrosine kinases, including ABL, BTK, FAK, FER, JAK1, SRC, SYK, TEC, TNK1, TYK2, and YES.¹ It inhibits these kinases at low micromolar concentrations and can be immobilized to capture and purify these enzymes.¹

Reference

1. Klutchko, S.R., Hamby, J.M., Boschelli, D.H., *et al.* 2-Substituted aminopyrido[2,3-*d*]pyrimidin-7(8*H*)-ones. Structure-activity relationships against selected tyrosine kinases and *in vitro* and *in vivo* anticancer activity. *J. Med. Chem.* **41**(17), 3276-3292 (1998).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/16718

WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Cayman Chemical Company makes **no warranty or guarantee** of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman **warrants only** to the original customer that the material will **meet our specifications at the time of delivery**.

Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have **any obligation or liability**, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, its directors or its employees.

Buyer's **exclusive remedy** and Cayman's sole liability hereunder shall be limited to a **refund** of the purchase price, or at Cayman's option, the **replacement**, at no cost to Buyer, of all material that does not meet our specifications.

Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.

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