



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

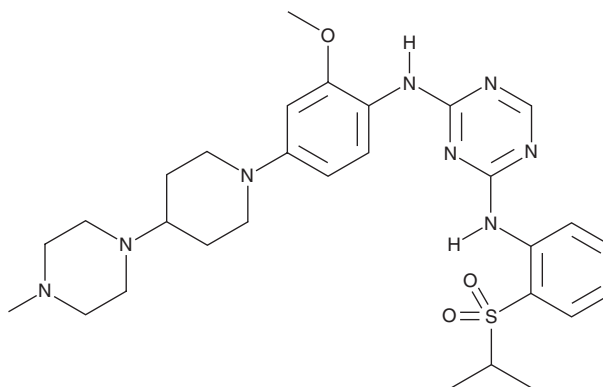
PRODUCT INFORMATION



ASP3026

Item No. 18491

CAS Registry No.: 1097917-15-1
Formal Name: N²-[2-methoxy-4-[4-(4-methyl-1-piperazinyl)1-piperidinyl]phenyl]-N⁴-[2-[(1-methylethyl)sulfonyl]phenyl]-1,3,5-triazine-2,4-diamine
MF: C₂₉H₄₀N₈O₃S
FW: 580.7
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis.: λ_{max}: 206, 268, 303 nm



Laboratory Procedures

For long term storage, we suggest that ASP3026 be stored as supplied at -20°C. It should be stable for at least two years.

ASP3026 is supplied as a crystalline solid. A stock solution may be made by dissolving the ASP3026 in the solvent of choice. ASP3026 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of ASP3026 in ethanol is approximately 0.5 mg/ml and approximately 2 mg/ml in DMSO and DMF.

ASP3026 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, ASP3026 should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. ASP3026 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.

Description

ASP3026 is an ATP-competitive, second-generation ALK inhibitor (IC₅₀ = 3.5 nM) that also inhibits ROS (IC₅₀ = 8.9 nM) and ACK (IC₅₀ = 5.8 nM).^{1,2} It inhibits neuroblastoma-activating ALK mutants F1174L (IC₅₀ = 10 nM) and R1275Q (IC₅₀ = 5.4 nM) and demonstrates antitumor activity in xenograft mouse models.^{1,2} ASP3026 has been shown to overcome crizotinib (Item No. 12087) resistance in non-small cell lung cancer, and is currently being evaluated in clinical trials of patients with ALK-positive solid tumors.²

References

1. Mori, M., Ueno, Y., Konagai, S., *et al.* The selective anaplastic lymphoma receptor tyrosine kinase inhibitor ASP3026 induces tumor regression and prolongs survival in non-small cell lung cancer model mice. *Mol. Cancer Ther.* **13**(2), 329-340 (2015).
2. Awad, M.M. and Shaw, A.T. ALK inhibitors in non-small cell lung cancer: Crizotinib and beyond. *Clin. Adv. Hematol. Oncol.* **12**(7), 429-439 (2014).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. 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

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 10/30/2015

CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA

PHONE: [800] 364-9897
[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM