



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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# PRODUCT INFORMATION

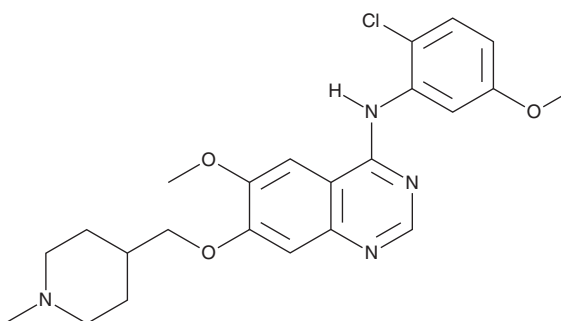


**AZM475271**

Item No. 37378

**CAS Registry No.:** 476159-98-5  
**Formal Name:** N-(2-chloro-5-methoxyphenyl)-6-methoxy-7-[(1-methyl-4-piperidinyl)methoxy]-4-quinazolinamine

**Synonym:** M475271  
**MF:** C<sub>23</sub>H<sub>27</sub>ClN<sub>4</sub>O<sub>3</sub>  
**FW:** 442.9  
**Purity:** ≥98%  
**Supplied as:** A solid  
**Storage:** -20°C  
**Stability:** ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

## Laboratory Procedures

AZM475271 is supplied as a solid. A stock solution may be made by dissolving the AZM475271 in the solvent of choice, which should be purged with an inert gas. AZM475271 is slightly soluble in ethanol, DMSO, and dimethyl formamide.

## Description

AZM475271 is an inhibitor of c-Src kinase ( $IC_{50} = 0.01 \mu M$ ).<sup>1</sup> It inhibits phosphorylation of c-Src kinase, Lck, c-Yes, and VEGFR2 ( $IC_{50}$ s = 0.01, 0.03, 0.08, and 0.7  $\mu M$ , respectively).<sup>2</sup> AZM475271 inhibits proliferation of NIH3T3 fibroblasts, as well as PC3 and DU145 prostate and A549 lung cancer cells ( $IC_{50}$ s = 0.5, 32, 16, and 17  $\mu M$ , respectively). It reduces tumor cell proliferation and microvessel density and increases apoptosis in an L3.6pl pancreatic cancer mouse xenograft model when administered at a dose of 50 mg/kg per day. AZM475271 inhibits tumor growth and metastasis in the same mouse xenograft model when administered in combination with gemcitabine (Item Nos. 11690 | 9003096).

## References

1. Plé, P.A., Green, T.P., Hennequin, L.F., *et al.* Discovery of a new class of anilinoquinazoline inhibitors with high affinity and specificity for the tyrosine kinase domain of c-Src. *J. Med. Chem.* **47**(4), 871-887 (2004).
2. Yezhelyev, M.V., Koehl, G., Guba, M., *et al.* Inhibition of SRC tyrosine kinase as treatment for human pancreatic cancer growing orthotopically in nude mice. *Clin. Cancer Res.* **10**(23), 8028-8036 (2004).

### 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.

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