



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

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PRODUCT INFORMATION



BPN-01

Item No. 39885

Formal Name: 6-methoxy-N-(4-(((7-nitrobenzo[c][1,2,5]oxadiazol-4-yl)amino)methyl)phenyl)benzo[d]thiazole-2-carboxamide

MF: C₂₂H₁₆N₆O₅S

FW: 476.5

Purity: ≥90%

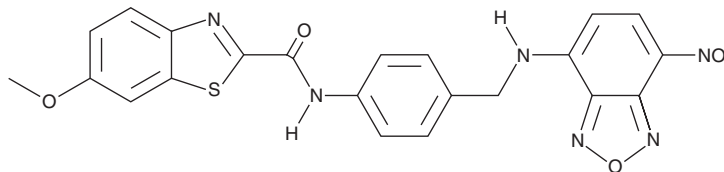
Ex./Em. Max: 475/500 nm

Supplied as: A solid

Storage: -20°C

Stability: ≥2 years

Special Conditions: Light sensitive



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

Laboratory Procedures

BPN-01 is supplied as a solid. A stock solution may be made by dissolving the BPN-01 in the solvent of choice, which should be purged with an inert gas. BPN-01 is slightly soluble (0.1-1 mg/ml) in acetonitrile.

Description

BPN-01 is a fluorescent probe for cancer cells.¹ BPN-01 displays an emission maximum of 500 nm upon excitation at 475 nm. It selectively accumulates in DU145 prostate cancer and B16/F10 murine melanoma cells over C2C12 mouse skeletal muscle myoblasts. *In vivo*, BPN-01 selectively accumulates in tumor tissue over the kidney and liver in an RM-1 prostate cancer mouse xenograft model.

Reference

1. Wongso, H., Goenawan, H., Lesmana, R., *et al.* Synthesis and biological evaluation of new fluorescent probe BPN-01: A model molecule for fluorescence image-guided surgery. *J. Fluoresc.* **33(5)**, 1827-1839 (2023).

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.

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