



# 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

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# PRODUCT INFORMATION

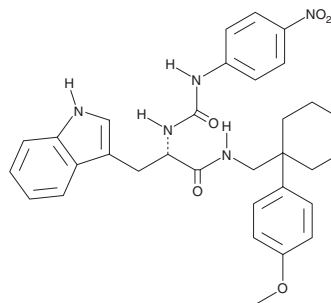


## ML-18

Item No. 27319

**CAS Registry No.:** 1422269-30-4  
**Formal Name:** (αS)-N-[[1-(4-methoxyphenyl)cyclohexyl)methyl]-α-[[[(4-nitrophenyl)amino]carbonyl]amino]-1H-indole-3-propanamide

**MF:** C<sub>32</sub>H<sub>35</sub>N<sub>5</sub>O<sub>5</sub>  
**FW:** 569.7  
**Purity:** ≥98%  
**Supplied as:** A solid  
**Storage:** -20°C  
**Stability:** ≥2 years



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

### Laboratory Procedures

ML-18 is supplied as a solid. A stock solution may be made by dissolving the ML-18 in the solvent of choice. ML-18 is soluble in the organic solvent DMSO, which should be purged with an inert gas.

### Description

ML-18 is a non-peptide bombesin receptor subtype 3 (BB<sub>3</sub>) antagonist that inhibits [<sup>125</sup>I]BA1 binding to NCI-H1299 lung cancer cells transfected with human BB<sub>3</sub> receptors (IC<sub>50</sub> = 4.8 μM).<sup>1</sup> It is selective for BB<sub>3</sub> over the gastrin releasing peptide receptor (GRPR) and the neuromedin B receptor (NMBR) with IC<sub>50</sub> values of 16 and >100 μM, respectively, in a radioligand binding assay. ML-18 (16 μM) reversibly inhibits BA1-induced increases in cytosolic calcium in NCI-H1299 cells. It also inhibits BA1-induced phosphorylation of ERK and EGFR and reduces proliferation of NCI-H1299 cells.

### Reference

1. Moody, T.W., Mantey, S.A., Moreno, P., *et al.* ML-18 is a non-peptide bombesin receptor subtype-3 antagonist which inhibits lung cancer growth. *Peptides* 64, 55-61 (2015).

#### 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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