



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

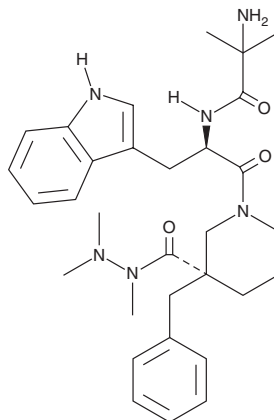


Anamorelin

Item No. 24676

CAS Registry No.: 249921-19-5
Formal Name: (3R)-1-[(2R)-2-[(2-amino-2-methyl-1-oxopropyl)amino]-3-(1H-indol-3-yl)-1-oxopropyl]-3-(phenylmethyl)-1,2,2-trimethylhydrazide, 3-piperidinecarboxylic acid

Synonym: RC-1291
MF: C₃₁H₄₂N₆O₃
FW: 546.7
Purity: ≥98%
UV/Vis.: λ_{max}: 219 nm
Supplied as: A crystalline 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

Anamorelin is supplied as a crystalline solid. A stock solution may be made by dissolving the anamorelin in the solvent of choice. Anamorelin is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of anamorelin in these solvents is approximately 33, 20, and 25 mg/ml, respectively.

Anamorelin is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, anamorelin should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. Anamorelin has a solubility of approximately 0.2 mg/ml in a 1:4 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

Anamorelin is a small molecule agonist of the growth hormone (GH) secretagogue receptor 1a (GHS-R1a) and a mimetic of ghrelin (Item Nos. 15072 | 24458; K_i = 0.7 nM).^{1,2} It induces calcium mobilization in CHO cells expressing rat GHS-R1a in a concentration-dependent manner and GH release from rat pituitary cells (EC₅₀ = 1.5 nM). *In vivo*, anamorelin stimulates GH release in sham and vagotomized rats in a dose-dependent manner.¹ Anamorelin (3-30 mg/kg) also increases food intake in rats.² Formulations containing anamorelin have been used to treat cancer anorexia and cachexia in patients with non-small cell lung cancer.

References

1. Morozumi, N., Hanada, T., Habara, H., *et al.* The role of C-terminal part of ghrelin in pharmacokinetic profile and biological activity in rats. *Peptides* **32**(5), 1001-1007 (2011).
2. Zhang, H. and Garcia, J.M. Anamorelin hydrochloride for the treatment of cancer-anorexia-cachexia in NSCLC. *Expert Opin. Pharmacother.* **16**(8), 1245-1253 (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.

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, 05/10/2018

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