



# 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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

17-AAG

Hsp90 inhibitor  
Catalog No. SIH-100



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

17-AAG

### Description

Hsp90 inhibitor

### Purity

>98%

### CAS No.

75747-14-7

### Molecular Formula

C<sub>11</sub>H<sub>11</sub>N<sub>1</sub>O<sub>1</sub>

### Molecular Weight

585.7

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble in DMSO (>20 mg/ml) or methanol (10 mg/ml)

### Source

Synthetic

### Appearance

Purple Solid

### SMILES

C[C@H]1C[C@@H]([C@@H]([C@H]/C=C/[C@@H]([C@H]/C=CC=C(C(=O)NC2=CC(=O)C(=C(C1)C2=O)NCC=C)/C)OC)OC(=O)N)C)O)OC

### InChI

InChI=1S/C<sub>11</sub>H<sub>11</sub>N<sub>1</sub>O<sub>1</sub>/c1-8-12-33-26-21-13-17(2)14-25(41-7)27(36)19(4)15-20(5)29(42-31(32)39)24(40-6)11-9-10-18(3)30

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**InChIKey**

AYUNIORJHRXIBJ-TXHRRWQRSA-N

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**Safety Phrases**

Classification: Caution: Substance not yet fully tested.

Safety Phrases:

S22 - Do not breathe dust

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

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**Cite This Product**

17-AAG (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-100)

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**Biological Description**

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**Alternative Names**

17-(Allylamino)-17-demethoxygeldanamycin, 17-(Allylamino)geldanamycin, 17-Demethoxy-17-allylamino geldanamycin, 17-AAG, CP 127374, Geldanamycin, 17-demethoxy-17-(2-propenylamino)-, NSC 330507, Tanespimycin

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**Research Areas**

Cancer, Heat Shock

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**PubChem ID**

6505803

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**Scientific Background**

Glendanamycin (GA), a benzoquinone ansamycin antibiotic, interferes with the action of Hsp90 leading to degradation of Hsp90 client proteins. GA itself however has undesirable properties such as poor aqueous solubility and liver toxicity; therefore, numerous analogs have been synthesized, such as 17-AAG(1). 17-AAG is an HSP-90 inhibitor that displays a 100-fold higher affinity for HSP-90 derived from tumor cells compared to HSP-90 from normal cells(2). 17-AAG inhibits Akt activation and expression in tumors and synergizes with a number of antitumor agents such as taxol(3), cisplatin(4) and UCN-01 (400 nM 17-AAG, U937 cells)(5). Looking for more information on HSP90? Visit our new HSP90 Scientific Resource Guide at <http://www.HSP90.ca>.

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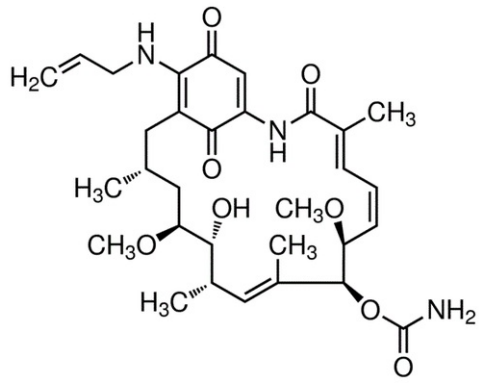
**References**

1. Neckers L. (2002) Trends Mol Med. 84: S55-61.
  2. Kamal A., et al.(2003) Nature. 425: 407.
  3. Solit D.B., et al.(2003) Cancer Res. 63: 2139.
  4. Vasilevskaya I.A., et al. (2003) Mol.Pharmacol. 65: 235.
  5. Jia W., et al.(2003) Blood. 102: 1824.
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**Product Images**

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Chemical structure of 17-AAG (SIH-100), a Hsp90 inhibitor. CAS #: 75747-14-7.  
Molecular Formula: C<sub>31</sub>H<sub>43</sub>N<sub>3</sub>O<sub>8</sub>. Molecular Weight: 585.7 g/mol.



## Product Citations (0)

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Currently there are no citations for this product.

## Reviews

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There are no reviews yet.