



# 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)

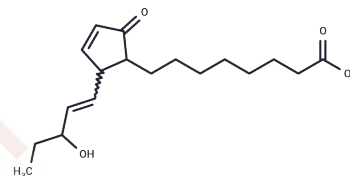
[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## A1-Phytostane-I

## Chemical Properties

CAS No. :	1035557-09-5
Formula:	C <sub>18</sub> H <sub>28</sub> O <sub>4</sub>
Molecular Weight:	308.41
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	A1-Phytostane-I is a cyclopentenone isoprostane produced by the action of reactive oxygen species on $\alpha$ -linolenic acid in plants. There are two A1-phytostanes, both having the single ketone group on the ring structure. This isoform results from cyclization between carbons 9 and 13 of linolenic acid, as opposed to carbons 3 and 7 in A1-phytostane-II. A1-Phytostanes induce the expression of glutathione-S-transferase, increase phytoalexin biosynthesis, and trigger the expression of several genes involved in primary and secondary metabolism in plants.
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## Solubility Information

Solubility	Ethanol: 10 mg/mL DMSO: 20 mg/mL DMF: 20 mg/mL DMSO:PBS(pH7.2) (1:1): 0.5 mg/mL ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2424 mL	16.2122 mL	32.4244 mL
5 mM	0.6485 mL	3.2424 mL	6.4849 mL
10 mM	0.3242 mL	1.6212 mL	3.2424 mL
50 mM	0.0648 mL	0.3242 mL	0.6485 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481