



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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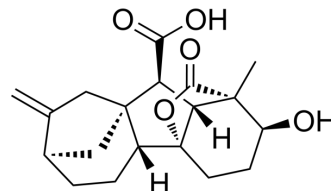
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## Gibberellin A4

|                    |                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-N8440                                                                                       |
| CAS No.:           | 468-44-0                                                                                       |
| Molecular Formula: | C <sub>19</sub> H <sub>24</sub> O <sub>5</sub>                                                 |
| Molecular Weight:  | 332.39                                                                                         |
| Target:            | Others                                                                                         |
| Pathway:           | Others                                                                                         |
| Storage:           | 4°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



### SOLVENT & SOLUBILITY

|         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| In Vivo | <ol style="list-style-type: none"> <li>1. Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline<br/>Solubility: ≥ 2.5 mg/mL (7.52 mM); Clear solution</li> <li>2. Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline)<br/>Solubility: ≥ 2.5 mg/mL (7.52 mM); Clear solution</li> <li>3. Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil<br/>Solubility: ≥ 2.5 mg/mL (7.52 mM); Clear solution</li> </ol> |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### BIOLOGICAL ACTIVITY

|             |                                                                                                                                                                                      |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Gibberellin A4 is a natural compound that can be isolated from <i>Sphaceloma manihoticola</i> . Gibberellin A4 is a causal agent of cassava superelongation disease <sup>[1]</sup> . |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### REFERENCES

[1]. Rademacher W, Graebe JE. Gibberellin A4 produced by *Sphaceloma manihoticola*, the cause of the superelongation disease of cassava (*Manihot esculenta*). *Biochem Biophys Res Commun.* 1979 Nov 14;91(1):35-40.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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