



# 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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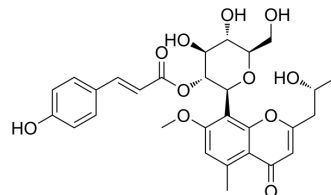
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## Aloeresin D

<b>Cat. No.:</b>	HY-N2215
<b>CAS No.:</b>	105317-67-7
<b>Molecular Formula:</b>	C <sub>29</sub> H <sub>32</sub> O <sub>11</sub>
<b>Molecular Weight:</b>	556.56
<b>Target:</b>	Beta-secretase
<b>Pathway:</b>	Neuronal Signaling
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 250 mg/mL (449.19 mM; ultrasonic and warming and heat to 60°C)																							
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent Concentration</th> <th colspan="3">Mass</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td><b>Preparing Stock Solutions</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 mM</td> <td>1.7968 mL</td> <td>8.9838 mL</td> <td>17.9675 mL</td> </tr> <tr> <td>5 mM</td> <td>0.3594 mL</td> <td>1.7968 mL</td> <td>3.5935 mL</td> </tr> <tr> <td>10 mM</td> <td>0.1797 mL</td> <td>0.8984 mL</td> <td>1.7968 mL</td> </tr> </tbody> </table>	Solvent Concentration	Mass			1 mg	5 mg	10 mg	<b>Preparing Stock Solutions</b>				1 mM	1.7968 mL	8.9838 mL	17.9675 mL	5 mM	0.3594 mL	1.7968 mL	3.5935 mL	10 mM	0.1797 mL	0.8984 mL	1.7968 mL
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	Please refer to the solubility information to select the appropriate solvent.																							
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.08 mg/mL (3.74 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (3.74 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.08 mg/mL (3.74 mM); Clear solution</li> </ol>																							

### BIOLOGICAL ACTIVITY

<b>Description</b>	Aloeresin D is a chromone glycoside isolated from Aloe vera, inhibits β-Secretase (BACE1) activity, with an IC <sub>50</sub> of 39 μM <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	BACE1

### REFERENCES

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

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