



# 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

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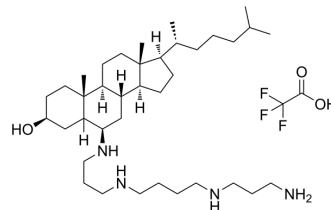
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## Claramine TFA

<b>Cat. No.:</b>	HY-160791A
<b>CAS No.:</b>	3030428-57-7
<b>Molecular Formula:</b>	C <sub>39</sub> H <sub>73</sub> F <sub>3</sub> N <sub>4</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	703.02
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 120 mg/mL (170.69 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	1.4224 mL	7.1122 mL	14.2243 mL
		5 mM	0.2845 mL	1.4224 mL	2.8449 mL
		10 mM	0.1422 mL	0.7112 mL	1.4224 mL
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: ≥ 3 mg/mL (4.27 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 3 mg/mL (4.27 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Claramine TFA is a steroidal polyamine. Claramine TFA can regulate the properties of lipid membranes and protect cells from various biological toxins, including misfolded protein oligomers and toxins derived from biological proteins <sup>[1]</sup> .
<b>In Vitro</b>	<p>Claramine (2-20 μM; 20 h) does not affect cell viability in human neuroblastoma cells (SH-SY5Y) at concentrations below 10 μM. Similarly, Claramine (2-20 μM; 20 h) does not impact cell activity in HEK293 cells<sup>[1]</sup>.</p> <p>Claramine (2.5-10 μM; 20 h) protects human neuroblastoma (SH-SY5Y) cells from the harmful effects of pore-forming agents, melittin (HY-P0233) (4 μM; 20 h) and α-hemolysin (50 μg/mL; 20 h), by inhibiting their binding to cell membranes<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### REFERENCES

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[1]. Kreiser RP, et al. A Brain-Permeable Aminosterol Regulates Cell Membranes to Mitigate the Toxicity of Diverse Pore-Forming Agents. ACS Chem Neurosci. 2022;13(8):1219-1231.

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

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