



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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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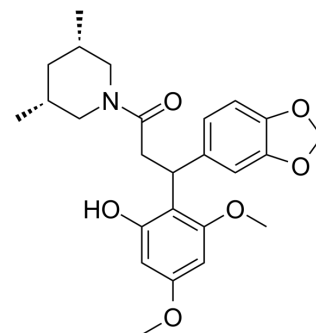
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## (±)-ML 209

<b>Cat. No.:</b>	HY-126037		
<b>CAS No.:</b>	1334526-14-5		
<b>Molecular Formula:</b>	C <sub>25</sub> H <sub>31</sub> NO <sub>6</sub>		
<b>Molecular Weight:</b>	441.52		
<b>Target:</b>	ROR		
<b>Pathway:</b>	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor		
<b>Storage:</b>	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (226.49 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		2.2649 mL	11.3245 mL	22.6490 mL
		<b>5 mM</b>		0.4530 mL	2.2649 mL	4.5298 mL
	<b>10 mM</b>		0.2265 mL	1.1325 mL	2.2649 mL	
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.66 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	(±)-ML 209 (compound 4n), a diphenylpropanamide, is a retinoic acid-related orphan receptor ROR $\gamma$ antagonist with an IC <sub>50</sub> of 1.1 $\mu$ M. (±)-ML 209 inhibits ROR $\gamma$ t transcriptional activity with an IC <sub>50</sub> of 300 nM in HEK293t cells. (±)-ML 209 inhibits the transcriptional activity of ROR $\gamma$ t, but not ROR $\alpha$ in cells. (±)-ML 209 selectively inhibits murine Th17 cell differentiation without affecting the differentiation of naive CD4 <sup>+</sup> T cells into other lineages, including Th1 and regulatory T cells <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	ROR $\gamma$ 1.1 $\mu$ M (IC <sub>50</sub> )

### CUSTOMER VALIDATION

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- Antiviral Res. 2023 Dec 4:105769.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[1]. Jun R Huh, et al. Identification of Potent and Selective Diphenylpropanamide RORy Inhibitors. ACS Med Chem Lett. 2013 Jan 10;4(1):79-84.

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

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