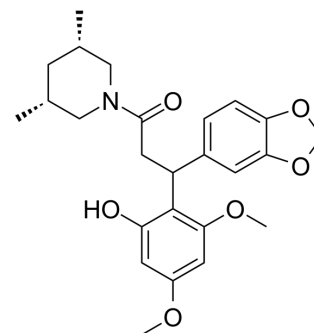


## (±)-ML 209

Cat. No.:	HY-126037
CAS No.:	1334526-14-5
Molecular Formula:	C <sub>25</sub> H <sub>31</sub> NO <sub>6</sub>
Molecular Weight:	441.52
Target:	ROR
Pathway:	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	(±)-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 naïve CD4 <sup>+</sup> T cells into other lineages, including Th1 and regulatory T cells <sup>[1]</sup> .
IC <sub>50</sub> & Target	ROR $\gamma$ 1.1 $\mu$ M (IC <sub>50</sub> )

### REFERENCES

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

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

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