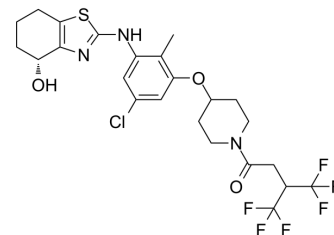


## ROR $\gamma$ t/DHODH-IN-1

Cat. No.:	HY-142843
CAS No.:	2764662-15-7
Molecular Formula:	C <sub>24</sub> H <sub>26</sub> ClF <sub>6</sub> N <sub>3</sub> O <sub>3</sub> S
Molecular Weight:	585.99
Target:	Dihydroorotate Dehydrogenase; 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

ROR $\gamma$ t/DHODH-IN-1 (compound (R)-14d) is a potent and orally active dual ROR $\gamma$ t/DHODH inhibitor, with IC<sub>50</sub>s of 0.083  $\mu$ M and 0.172  $\mu$ M, respectively. ROR $\gamma$ t/DHODH-IN-1 exhibits remarkable in vivo anti-inflammatory activity<sup>[1]</sup>.

### REFERENCES

[1]. Chen J, et, al. Discovery of Orally Available Retinoic Acid Receptor-Related Orphan Receptor  $\gamma$ -t/Dihydroorotate Dehydrogenase Dual Inhibitors for the Treatment of Refractory Inflammatory Bowel Disease. *J Med Chem.* 2022 Jan 13;65(1):592-615.

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

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