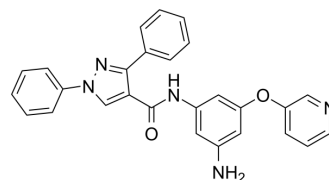


## ERR $\gamma$ inverse agonist 2

Cat. No.:	HY-149833
CAS No.:	324022-01-7
Molecular Formula:	C <sub>27</sub> H <sub>21</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	447.49
Target:	Estrogen Receptor/ERR
Pathway:	Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	ERR $\gamma$ inverse agonist 2 (compound 19) is a potent and selective ERR $\gamma$ inverse agonist with a K <sub>d</sub> value of 6.5 $\mu$ M. ERR $\gamma$ inverse agonist 2 inhibits the expression of hepcidin, fibrinogen and gluconeogenic genes. ERR $\gamma$ inverse agonist 2 has antimicrobial, anti-coagulant and antidiabetic activities <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	ERR $\gamma$ 6.5 $\mu$ M (Kd)
<b>In Vitro</b>	ERR $\gamma$ inverse agonist 2 (1-10 $\mu$ M; 293T cells) inhibits PGC-1 $\alpha$ -dependent transcriptional activity of ERR $\gamma$ and the inhibitory effect on ERR $\alpha$ and ERR $\beta$ is insignificantly weak <sup>[1]</sup> . ERR $\gamma$ inverse agonist 2 (10 $\mu$ M; AML12 cells) inhibits the expression of hepcidin, fibrinogen and gluconeogenic genes <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Yang SH, et, al. Structure-based discovery of pyrazolamides as novel ERR $\gamma$  inverse agonists. Eur J Med Chem. 2023 Mar 15;250:115174.

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

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