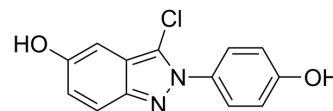


## Indazole-Cl

Cat. No.:	HY-137004
CAS No.:	848142-62-1
Molecular Formula:	C <sub>13</sub> H <sub>9</sub> ClN <sub>2</sub> O <sub>2</sub>
Molecular Weight:	260.68
Target:	Estrogen Receptor/ERR; COX
Pathway:	Vitamin D Related/Nuclear Receptor; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Indazole-Cl (Ind-Cl) is an Estrogen receptor (ER)- $\beta$ -specific agonist with inflammatory effect. Indazole-Cl inhibits cyclooxygenase-2 expression reduction induced by hypoxia. And Indazole-Cl inhibits ROS production. Indazole-Cl also inhibits cell migration and invasion by hypoxia increased by hypoxia. Indazole-Cl is potent inhibitor of hypoxia-induced inflammation in vascular smooth muscle cells (VSMCs) <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	COX-2
<b>In Vitro</b>	Indazole-Cl (0.1 $\mu$ M; 6 h) decreases intracellular ROS levels induced by hypoxia in vascular smooth muscle cells (VSMCs) <sup>[1]</sup> . Indazole-Cl (10 $\mu$ M; 24 h) inhibits hypoxia-induced cyclooxygenase (COX)-2 transcriptional activity in VSMCs <sup>[1]</sup> . Indazole-Cl (1 $\mu$ M; 24-72 h) prevents hypoxia-induced cellular migration and invasion in VSMCs <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Park C, et al. Indazole-Cl inhibits hypoxia-induced cyclooxygenase-2 expression in vascular smooth muscle cells. *J Mol Endocrinol*. 2019 Jul 1;63(1):27-38.

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

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