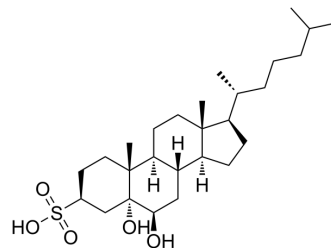


## 11 $\beta$ -HSD2-IN-1

Cat. No.:	HY-157161
Molecular Formula:	C <sub>27</sub> H <sub>48</sub> O <sub>5</sub> S
Molecular Weight:	484.73
Target:	11 $\beta$ -HSD
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	11 $\beta$ -HSD2-IN-1 (compound CDSN) is a potent inhibitor of 11 $\beta$ -HSD2, inhibiting the metabolism of Cholestane-3 $\beta$ ,5 $\alpha$ ,6 $\beta$ -triol (CT) in cells by 11 $\beta$ -HSD2 into the tumor promoter, carcinosterone. 11 $\beta$ -HSD2-IN-1 inhibits testosterone biosynthesis, thereby inhibiting MCF-7 cell proliferation. 11 $\beta$ -HSD2-IN-1 has immune activity and antiviral infection effects <sup>[1]</sup> .
IC <sub>50</sub> & Target	11 $\beta$ -HSD2 <sup>[1]</sup>

### REFERENCES

[1]. de Médina P et al. Chemical synthesis and biochemical properties of cholestane-5 $\alpha$ ,6 $\beta$ -diol-3-sulfonate: A non-hydrolysable analogue of cholestane-5 $\alpha$ ,6 $\beta$ -diol-3 $\beta$ -sulfate. J Steroid Biochem Mol Biol. 2023 Nov;234:106396.

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

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