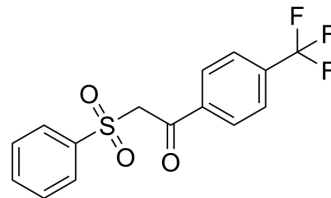


## 11 $\beta$ -HSD1-IN-11

Cat. No.:	HY-151627
CAS No.:	859721-81-6
Molecular Formula:	C <sub>15</sub> H <sub>11</sub> F <sub>3</sub> O <sub>3</sub> S
Molecular Weight:	328.31
Target:	11 $\beta$ -HSD
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	11 $\beta$ -HSD1-IN-11 (Compound c1a) is a competitive 11 $\beta$ -HSD1 inhibitor with IC <sub>50</sub> s of 0.34 $\mu$ M and 0.13 $\mu$ M against rat and human 11 $\beta$ -HSD1, respectively <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 0.13 $\mu$ M (Rat 11 $\beta$ -HSD1), 0.34 $\mu$ M (Human 11 $\beta$ -HSD1) <sup>[1]</sup>
<b>In Vivo</b>	A single dose of the 11 $\beta$ -HSD1 inhibitor Merck 544 reduced the overall abundance of 11 $\beta$ -HSD1-IN-11 (Compound c1a) (15 mg/kg; oral gavage; once) in the rat liver <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Naredo-Gonzalez G, et al. Non-invasive in vivo assessment of 11 $\beta$ -hydroxysteroid dehydrogenase type 1 activity by 19F-Magnetic Resonance Spectroscopy. Sci Rep. 2022 Sep 29;12(1):16268.

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

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