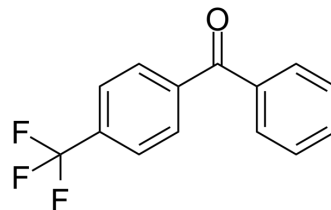


## 11 $\beta$ -HSD1-IN-7

<b>Cat. No.:</b>	HY-W106057		
<b>CAS No.:</b>	728-86-9		
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>9</sub> F <sub>3</sub> O		
<b>Molecular Weight:</b>	250.22		
<b>Target:</b>	11 $\beta$ -HSD		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

<b>Description</b>	11 $\beta$ -HSD1-IN-7 (compound c10a) is a 11 $\beta$ -HSD1 inhibitor with an IC <sub>50</sub> value of 1.9 $\mu$ M for human 11 $\beta$ -HSD1. 11 $\beta$ -HSD1-IN-7 can be used for the research of diabetes and cognitive decline <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 1.9 $\mu$ M (human 11 $\beta$ -HSD1) <sup>[1]</sup>
<b>In Vitro</b>	11 $\beta$ -HSD1-IN-7 (0-50 $\mu$ M) inhibits human and rat 11 $\beta$ -HSD1 with IC <sub>50</sub> values of 1.9 $\mu$ M and 50 $\mu$ M, respectively <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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