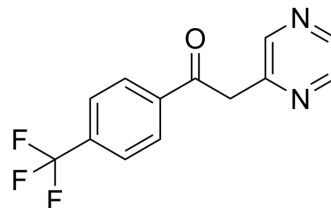


## 11 $\beta$ -HSD1-IN-9

Cat. No.:	HY-W324243
CAS No.:	88283-34-5
Molecular Formula:	C <sub>13</sub> H <sub>9</sub> F <sub>3</sub> N <sub>2</sub> O
Molecular Weight:	266.22
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 $\beta$ -HSD1-IN-9 (compound c4a) is a potent 11 $\beta$ -HSD1 inhibitor with IC<sub>50</sub> values of 0.48 and 1.3  $\mu$ M for human and murine 11 $\beta$ -HSD1, respectively. 11 $\beta$ -HSD1-IN-9 competitively interacts with rat 11 $\beta$ -HSD1. 11 $\beta$ -HSD1-IN-19 can be used in studies of obesity, hyperglycemia and cognitive impairment<sup>[1]</sup>.

### 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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