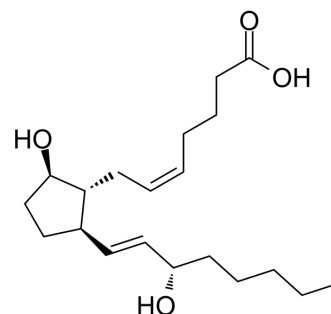


## 11-Deoxyprostaglandin F2 $\beta$

Cat. No.:	HY-125396
CAS No.:	37786-07-5
Molecular Formula:	C <sub>20</sub> H <sub>34</sub> O <sub>4</sub>
Molecular Weight:	338.48
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

11-Deoxyprostaglandin F2 $\beta$  (11-deoxy PGF2 $\beta$ ) is an analog of PGF2 $\beta$  (HY-12956B). PGF2 $\beta$  is a metabolite produced by cyclooxygenase metabolism of arachidonic acid. PGF2 $\beta$  induces dose-dependent release of hexose containing mucin<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Mizsak SA, et al. Assignment of 9- and 11- configuration in prostaglandins by CMR. Prostaglandins. 1975 Nov;10(5):807-12.
- [2]. Jang Y, et al. Molecular mechanisms underlying the actions of arachidonic acid-derived prostaglandins on peripheral nociception. J Neuroinflammation. 2020 Jan 22;17(1):30.
- [3]. Lamont JT, et al. Cysteamine and prostaglandin F2 beta stimulate rat gastric mucin release. Gastroenterology. 1983 Feb;84(2):306-13.

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

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