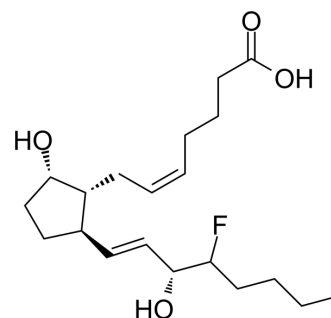


## AL-3138

Cat. No.:	HY-125150
CAS No.:	64603-03-8
Molecular Formula:	C <sub>20</sub> H <sub>33</sub> FO <sub>4</sub>
Molecular Weight:	356.47
Target:	Prostaglandin Receptor; Endogenous Metabolite
Pathway:	GPCR/G Protein; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	AL-3138 (11-Deoxy-16-fluoro PGF2α) is a prostaglandin F2 alpha (PGF2alpha) analogue that antagonises FP prostaglandin receptor-mediated inositol phosphate production <sup>[1]</sup> .
<b>In Vitro</b>	AL-3138 acts on A7r5 cells and 3T3 cells with the EC <sub>50</sub> values of 72.2 nM and 20.5 nM, respectively. Besides, AL-3138 against fluprostenol in A7r5 cells is determined to be: K <sub>i</sub> = 296 nM and K <sub>b</sub> = 182 nM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Sharif NA, et al. AL-3138 antagonizes FP prostanoid receptor-mediated inositol phosphates generation: comparison with some purported FP antagonists. J Pharm Pharmacol. 2000 Dec;52(12):1529-39.

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

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