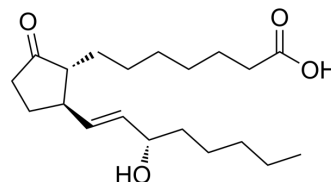


## 11-Deoxy prostaglandin E1

Cat. No.:	HY-128043
CAS No.:	37786-00-8
Molecular Formula:	C <sub>20</sub> H <sub>34</sub> O <sub>4</sub>
Molecular Weight:	338.48
Target:	Prostaglandin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	11-Deoxy prostaglandin E1 (AY-23578; Doproston B) is an analog of prostaglandin E1 (PGE1) with bronchodilator activity. 11-Deoxy prostaglandin E1 inhibits histamine-induced bronchoconstriction and causes relaxation of tracheal strips in isolated guinea pigs <sup>[1]</sup> .
<b>In Vitro</b>	11-Deoxy prostaglandin E1 (100 µg/mL) exhibits a relaxing effect on isolated guinea pig tracheal strips contracted by Carbachol (1 µg/kg) <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	11-Deoxy prostaglandin E1 (administered as a spray) has no significant bronchodilator effect in guinea pigs and cats <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Greenberg R, et al. The bronchodilator activity of an 11-deoxyprostaglandin (AY 23 578). Can J Physiol Pharmacol. 1975 Oct;53(5):799-809.

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

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