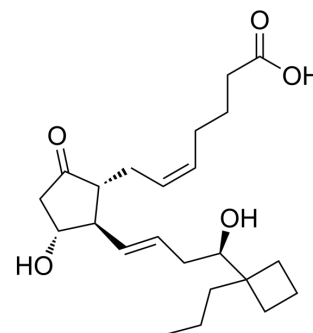


## EP2 receptor agonist 4

<b>Cat. No.:</b>	HY-121091
<b>CAS No.:</b>	212310-16-2
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>36</sub> O <sub>5</sub>
<b>Molecular Weight:</b>	392.53
<b>Target:</b>	Prostaglandin Receptor
<b>Pathway:</b>	GPCR/G Protein
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	EP2 receptor agonist 4 is a selective agonist for EP2 receptor with an EC <sub>50</sub> of 43 nM <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	EP2 43 nM (EC50)	
<b>In Vivo</b>	EP2 receptor agonist 4 (0-300 µg/kg, i.v.) causes hypotension and inhibits uterine motility in a dose-dependent manner in pregnant rats <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Pregnant rats <sup>[1]</sup>
	Dosage:	0-300 µg/kg
	Administration:	i.v.
	Result:	Induced uterine motility in a dose-dependent manner.

### REFERENCES

[1]. Tani K, et al., Design and synthesis of a highly selective EP2-receptor agonist. *Bioorg Med Chem Lett.* 2001 Aug 6;11(15):2025-8.

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

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