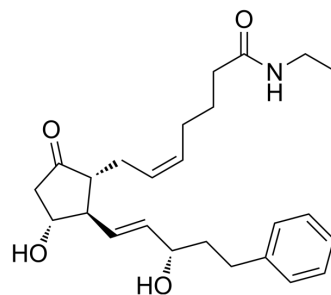


17-Phenyl trinor prostaglandin E2 ethyl amide

Cat. No.:	HY-138868
CAS No.:	1219032-20-8
Molecular Formula:	C ₂₅ H ₃₅ NO ₄
Molecular Weight:	413.55
Target:	Prostaglandin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	17-Phenyl trinor prostaglandin E2 ethyl amide (17-Phenyl trinor PGE2 ethyl amide) is a EP1 receptor agonist. 17-Phenyl trinor prostaglandin E2 ethyl amide aggravates renal dysfunction and glomerulosclerosis ^[1] .								
In Vivo	<p>17-Phenyl trinor prostaglandin E2 ethyl amide (0.3 µg/g; i.p.; three times a week for 12 weeks) aggravates renal dysfunction and glomerulosclerosis in five-sixths nephrectomy renal fibrosis model mice^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>8-12 weeks, 15-20 g, C57/BL6 male mice (five-sixths nephrectomy renal fibrosis model)^[1]</td> </tr> <tr> <td>Dosage:</td> <td>0.3 µg/g</td> </tr> <tr> <td>Administration:</td> <td>i.p.; three times a week for 12 weeks</td> </tr> <tr> <td>Result:</td> <td>Increased the plasma blood urea nitrogen (BUN) levels and plasma creatinine (Cr) concentration, increased the extracellular matrix and the area of collagen deposition, upregulated the protein of expression of Col1, GRP78, TRPC1 and PERK in 5/6 Nx mice.</td> </tr> </table>	Animal Model:	8-12 weeks, 15-20 g, C57/BL6 male mice (five-sixths nephrectomy renal fibrosis model) ^[1]	Dosage:	0.3 µg/g	Administration:	i.p.; three times a week for 12 weeks	Result:	Increased the plasma blood urea nitrogen (BUN) levels and plasma creatinine (Cr) concentration, increased the extracellular matrix and the area of collagen deposition, upregulated the protein of expression of Col1, GRP78, TRPC1 and PERK in 5/6 Nx mice.
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REFERENCES

[1]. Chen X, et al. Effect of selective inhibition or activation of PGE2 EP1 receptor on glomerulosclerosis. Mol Med Rep. 2020 Oct;22(4):2887-2895.

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

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