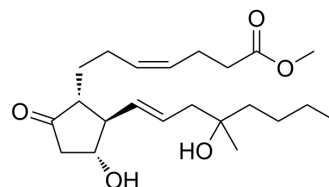


## SC 34301

Cat. No.:	HY-105052
CAS No.:	81026-63-3
Molecular Formula:	C <sub>22</sub> H <sub>36</sub> O <sub>5</sub>
Molecular Weight:	380.52
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>	SC 34301 (Enisoprost) is a potent and orally active PGE1 analog. SC 34301 significantly reduces bacterial translocation and improves survival for burned mice <sup>[1][2]</sup> .								
<b>In Vivo</b>	<p>SC 34301 (200 µg/kg; p.o.; once a day for three days) significantly reduces bacterial translocation and improves survival<sup>[1]</sup>. 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>BALB/c mice (E. coli, burned)<sup>[1]</sup></td> </tr> <tr> <td>Dosage:</td> <td>200 µg/kg</td> </tr> <tr> <td>Administration:</td> <td>P.o.; once a day for three days</td> </tr> <tr> <td>Result:</td> <td>Significantly reduced the degree of bacterial translocation as measured by blood dpm counts, improved survival rate to 60% in burned mice.</td> </tr> </table>	Animal Model:	BALB/c mice (E. coli, burned) <sup>[1]</sup>	Dosage:	200 µg/kg	Administration:	P.o.; once a day for three days	Result:	Significantly reduced the degree of bacterial translocation as measured by blood dpm counts, improved survival rate to 60% in burned mice.
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### REFERENCES

- [1]. Pollak R, et al. A trial of the prostaglandin E1 analogue, enisoprost, to reverse chronic cyclosporine-associated renal dysfunction. *Am J Kidney Dis.* 1992 Oct;20(4):336-41.
- [2]. Fukushima R, et al. The degree of bacterial translocation is a determinant factor for mortality after burn injury and is improved by prostaglandin analogs. *Ann Surg.* 1992 Oct;216(4):438-44; discussion 444-5.

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

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