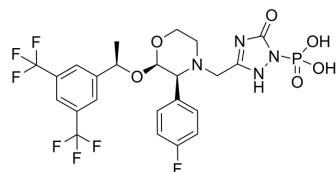


Fosaprepitant

Cat. No.:	HY-14407
CAS No.:	172673-20-0
Molecular Formula:	C ₂₃ H ₂₂ F ₇ N ₄ O ₆ P
Molecular Weight:	614.41
Target:	Neurokinin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Fosaprepitant (L-785298) is a proagent of Aprepitant (HY-10052). Fosaprepitant is a neurokinin-1 receptor antagonist, which is development for the prevention of chemotherapy-induced nausea and vomiting (CINV) ^[1] .								
IC₅₀ & Target	Neurokinin-1 receptor ^[1]								
In Vivo	<p>Fosaprepitant (30 mg/kg; i.p.; daily; for 7 days) attenuates tolerance to morphine and increases the antinociceptive effect in rats^[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>Sprague-Dawley rats^[1]</td> </tr> <tr> <td>Dosage:</td> <td>30 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>Intraperitoneal injection, daily, for 7 days</td> </tr> <tr> <td>Result:</td> <td>Increased the antinociceptive effect of morphine compared to control group.</td> </tr> </table>	Animal Model:	Sprague-Dawley rats ^[1]	Dosage:	30 mg/kg	Administration:	Intraperitoneal injection, daily, for 7 days	Result:	Increased the antinociceptive effect of morphine compared to control group.
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CUSTOMER VALIDATION

- Cancer Biol Ther. 2019;20(5):653-665.
- New J Chem. 29th November 2021.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Pranav Prasoon, et al. Role of fosaprepitant, a neurokinin Type 1 receptor antagonist, in morphine-induced antinociception in rats. Indian J Pharmacol. 2016 Jul-Aug; 48(4): 394-398.

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

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