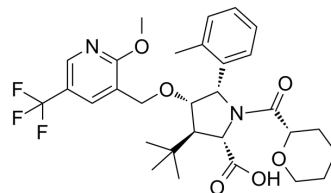


GLPG-3221

Cat. No.:	HY-133013
CAS No.:	2222264-64-2
Molecular Formula:	C ₃₀ H ₃₇ F ₃ N ₂ O ₆
Molecular Weight:	578.62
Target:	CFTR
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	GLPG-3221 is a potent, orally active corrector of CFTR (cystic fibrosis transmembrane conductance regulator), with an EC ₅₀ of 105 nM. GLPG-3221 can be used for the treatment of cystic fibrosis ^[1] .								
In Vivo	<p>GLPG-3221 (1 mg/kg; i.v.) treatment shows the Cl and t_{1/2} are 0.13 L/h/kg and 3 hours, respectively^[1].</p> <p>GLPG-3221 (1 mg/kg; p.o.) treatment shows the F% value is 53%^[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>Rat^[1]</td> </tr> <tr> <td>Dosage:</td> <td>1 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>i.v. administration (Pharmacokinetic Analysis)</td> </tr> <tr> <td>Result:</td> <td>The Cl and t_{1/2} were 0.13 L/h/kg and 3 hours, respectively.</td> </tr> </table>	Animal Model:	Rat ^[1]	Dosage:	1 mg/kg	Administration:	i.v. administration (Pharmacokinetic Analysis)	Result:	The Cl and t _{1/2} were 0.13 L/h/kg and 3 hours, respectively.
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REFERENCES

[1]. Scanio MJC, et al. Discovery of ABBV/GLPG-3221, a Potent Corrector of CFTR for the Treatment of Cystic Fibrosis. ACS Med Chem Lett. 2019 Oct 31;10(11):1543-1548.

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

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