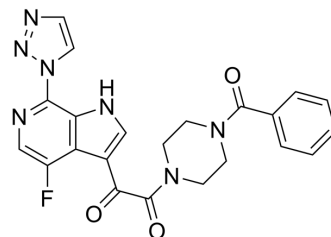


BMS-585248

Cat. No.:	HY-13829
CAS No.:	619331-12-3
Molecular Formula:	C ₂₂ H ₁₈ FN ₇ O ₃
Molecular Weight:	447.42
Target:	HIV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BMS-585248 is a potent, third-generation HIV-1 attachment inhibitor with a promising initial in vitro and in vivo pharmacokinetic profile ^[1] .																																		
IC₅₀ & Target	HIV-1																																		
In Vivo	<p>BMS-585248 (intravenous (1 mg/kg) and oral (5-200 mg/kg); once) has a good pharmacokinetic profile, with AUC values of 3220 nM·h and 8064 nM·h after IV (1 mg/kg) and oral (5 mg/kg) administration in male rats, respectively^[1]. 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 colspan="3">Male rats^[1]</td> </tr> <tr> <td>Dosage:</td> <td colspan="3">5, 15, and 200 mg/kg</td> </tr> <tr> <td>Administration:</td> <td colspan="3">Orally, once (Pharmacokinetic Analysis)</td> </tr> <tr> <td>Result:</td> <td colspan="3">Pharmacokinetic Parameters of BMS-585248 in male rats^[1].</td> </tr> <tr> <td></td> <td>PO</td> <td></td> <td></td> </tr> <tr> <td>Dose (mg/kg)</td> <td>15</td> <td>75</td> <td>200</td> </tr> <tr> <td>C_{max} (μM)</td> <td>6.6</td> <td>8.4</td> <td>11</td> </tr> <tr> <td>AUC_{tot} (μM·h)</td> <td>42</td> <td>115</td> <td>145</td> </tr> </table>			Animal Model:	Male rats ^[1]			Dosage:	5, 15, and 200 mg/kg			Administration:	Orally, once (Pharmacokinetic Analysis)			Result:	Pharmacokinetic Parameters of BMS-585248 in male rats ^[1] .				PO			Dose (mg/kg)	15	75	200	C _{max} (μM)	6.6	8.4	11	AUC _{tot} (μM·h)	42	115	145
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REFERENCES

[1]. Regueiro-Ren A, et al. Inhibitors of human immunodeficiency virus type 1 (HIV-1) attachment 13. Synthesis and profiling of a novel ammonium prodrug of the HIV-1 attachment inhibitor BMS-585248. J Med Chem. 2013 Feb 28;56(4):1670-6.

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

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