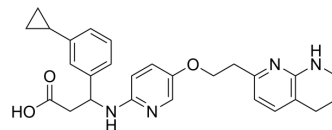


Integrin-IN-2

Cat. No.:	HY-130119
CAS No.:	2378617-67-3
Molecular Formula:	C ₂₇ H ₃₀ N ₄ O ₃
Molecular Weight:	458.55
Target:	Integrin
Pathway:	Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Integrin-IN-2 (compound 39) is an orally bioavailable pan α v integrin inhibitor. Integrin-IN-2 can increase the α v β 6, α v β 3, α v β 5 and α v β 8 binding affinities with pIC ₅₀ values of 7.8, 8.4, 8.4 and 7.4, respectively ^[1] .
IC₅₀ & Target	pIC ₅₀ : 7.8 (α v β 6), 8.4 (α v β 3), 8.4 (α v β 5) and 7.4 (α v β 8) ^[1]
In Vivo	In vivo pharmacokinetic studies in CD rats revealed that racemic Integrin-IN-2 (compound 39) has a low plasma clearance of 8 mL/(min kg), a low to moderate volume of distribution of 0.5 L/kg, a moderate half-life of 1.8 h, and very high bioavailability of 98% ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Anderson NA, et al. Discovery of an Orally Bioavailable Pan α v Integrin Inhibitor for Idiopathic Pulmonary Fibrosis. *J Med Chem.* 2019 Oct 10;62(19):8796-8808.

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

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