

LDV

Cat. No.:	HY-P2267
CAS No.:	1155866-55-9
Molecular Formula:	C ₄₈ H ₇₀ N ₁₀ O ₁₂
Molecular Weight:	979.13
Target:	Integrin
Pathway:	Cytoskeleton
Storage:	Sealed storage, away from moisture and light, under nitrogen Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

BIOLOGICAL ACTIVITY

Description	LDV, a tripeptide, is a non-fluorescent analog of LDV-FITC. LDV is a $\alpha 4\beta 1$ integrin (VLA-4) ligand, and binds $\alpha 4\beta 1$ integrin in leukemia cells ^{[1][2]} .
In Vitro	An LDV small molecule is well-characterized VLA-4 ligand that has been used to detect VLA-4 affinity and conformational changes ^[1] . LDV is the minimum sequence of the CS-1 region of fibronectin necessary to bind $\alpha 4\beta 1$ integrin ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Cancer Cell Int. 2021 Nov 10;21(1):599.

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REFERENCES

[1]. Ben H Njus, et al. Conformational mAb as a tool for integrin ligand discovery. Assay Drug Dev Technol. 2009 Oct;7(5):507-15.

[2]. Estelle Gérard, et al. LDV peptidomimetics equipped with biotinylated spacer-arms: synthesis and biological evaluation on CCRF-CEM cell line. Bioorg Med Chem Lett. 2012 Jan 1;22(1):586-90.

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

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