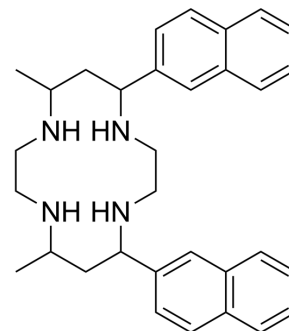


α v β 5 integrin-IN-2

Cat. No.:	HY-163333
CAS No.:	1005104-60-8
Molecular Formula:	C ₃₂ H ₄₀ N ₄
Molecular Weight:	480.69
Target:	Integrin; Apoptosis
Pathway:	Cytoskeleton; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	α v β 5 integrin-IN-2 (Cpd_AV2) is an α v β 5 integrin inhibitor that disrupts the stability of integrin heterodimers. α v β 5 integrin-IN-2 targets the β -propeller central pocket of ITGAV (integrin α V). α v β 5 integrin-IN-2 induces cellular apoptosis ^[1] .								
In Vitro	<p>αvβ5 integrin-IN-2 (Cpd_AV2) reduces the presence of integrin αVβ5 on the cell surface with an IC₅₀ of ~6.9 μM^[1]. αvβ5 integrin-IN-2 (Cpd_AV2) leads to pronounced apoptosis and cell cycle arrest by 3 h posttreatment^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Apoptosis Analysis^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>MDA231 cells</td> </tr> <tr> <td>Concentration:</td> <td>40 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>0-3 h</td> </tr> <tr> <td>Result:</td> <td>Led to pronounced apoptosis and cell cycle arrest.</td> </tr> </table>	Cell Line:	MDA231 cells	Concentration:	40 μ M	Incubation Time:	0-3 h	Result:	Led to pronounced apoptosis and cell cycle arrest.
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REFERENCES

[1]. Nicole M Mattson, et al. A novel class of inhibitors that disrupts the stability of integrin heterodimers identified by CRISPR-tiling-instructed genetic screens. Nat Struct Mol Biol. 2024 Feb 5.

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

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