

JM3A

Cat. No.:	HY-P3430
Molecular Formula:	C ₄₉ H ₈₃ N ₁₁ O ₁₂
Molecular Weight:	1018.25
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	JM3A is a highly specific peptoid reagent that targets newly appears cell surface vimentin (CSV) on tumor-transformed early lung cancer cells. JM3A can detect and stain CSV by coupling with fluorophores ^[1] .								
IC ₅₀ & Target	cell surface vimentin ^[1]								
In Vitro	<p>JM3A (10 μM; 1 hour) shows strong interaction and pulldown of vimentin in western-blot analysis^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Western Blot Analysis^[1]</p> <table><tr><td>Cell Line:</td><td>HBEC3p53, KRAS, cMYC and HBEC3-KT cells</td></tr><tr><td>Concentration:</td><td>10 μM</td></tr><tr><td>Incubation Time:</td><td>1 hour</td></tr><tr><td>Result:</td><td>Recognized vimentin specifically.</td></tr></table>	Cell Line:	HBEC3p53, KRAS, cMYC and HBEC3-KT cells	Concentration:	10 μM	Incubation Time:	1 hour	Result:	Recognized vimentin specifically.
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REFERENCES

[1]. Shukla SP, et al. Unbiased peptoid cell screen identifies a peptoid targeting newly appeared cell surface vimentin on tumor transformed early lung cancer cells. Bioorg Med Chem. 2022 Mar 15;58:116673.

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

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