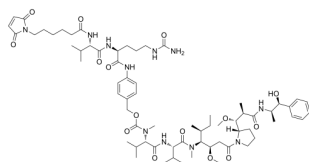


# Certificate of Analysis

## Compound Information

<b>Product Name:</b>	VcMMAE
<b>Cat. No.:</b>	1039030
<b>CAS No.:</b>	646502-53-6
<b>Molecular Formula:</b>	C <sub>68</sub> H <sub>105</sub> N <sub>11</sub> O <sub>15</sub>
<b>Molecular Weight:</b>	1316.63
<b>Chemical Structure:</b>	



## Batch Information

<b>Batch No.:</b>	L397819
<b>Storage:</b>	-20°C, sealed storage, away from moisture and light
<b>Test Date:</b>	2023-11-22
<b>Retest Date:</b>	2026-11-21
<b>Origin:</b>	Shanghai, China

## QC Summary

QC Summary	Specification	Result
<b>Appearance:</b>	White to off-white (Solid)	White (Solid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure	Consistent with structure
<b>LCMS:</b>	Consistent with structure	Consistent with structure
<b>MeOH:</b>	≤ 3000 ppm	N.D
<b>EtOH:</b>	≤ 3000 ppm	N.D
<b>ACN:</b>	≤ 410 ppm	N.D
<b>DCM:</b>	≤ 600 ppm	N.D
<b>MTBE:</b>	≤ 5000 ppm	N.D
<b>n-hexane:</b>	≤ 290 ppm	N.D
<b>EA:</b>	≤ 720 ppm	N.D
<b>Dioxane:</b>	≤ 380 ppm	N.D
<b>Pyridine:</b>	≤ 200 ppm	N.D
<b>DMF:</b>	≤ 880 ppm	N.D
<b>DIPEA:</b>	≤ 1000 ppm	N.D
<b>DMAC:</b>	≤ 1090 ppm	N.D

<b>Water(KF):</b>	1.59%
<b>PH:</b>	5.5
<b>Purity(HPLC):</b>	99.94%
<b>Assay:</b>	98.35%

**Conclusion:** The product has been tested and complies with the given specifications.

**Caution: Research use only and are not intended for human use.**

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