

# Certificate of Analysis

<b>Product Name</b>	Fluo-4, AM ester		
<b>Cat.No.</b>	F3013Z5	<b>Storage Conditions</b>	-20°C&protect from light
<b>Lot.No.</b>	241111J02-01	<b>Expiration Date</b>	10-11-2029
<b>Molecular Formula</b>	$C_{51}H_{50}F_2N_2O_{23}$	<b>Molecular Weight</b>	1097.0
<b>CAS Number</b>	273221-67-3	<b>Excitation Emission</b>	494/516 nm (after $Ca^{2+}$ binding)

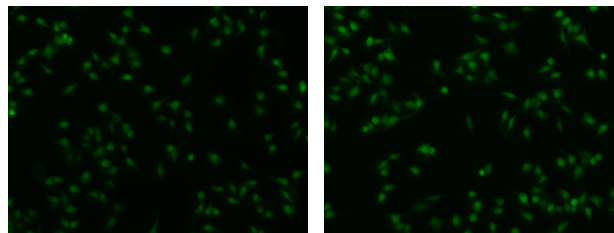
## Quality Control

Items	Specification	Result
Packaging appearance	Intact and undamaged	Intact and undamaged
Appearance	Orange red powder	Orange red powder
Weight/volume	250-255mg	250mg
molar extinction coefficient	$25500 \pm 2000$	24037
Purity	HPLC: $\geq 85\%$ at 254nm	$\geq 95.0\%$ at 254nm
	$\geq 85\%$ at 458nm	$\geq 95.5\%$ at 458nm

## Appendix

Standard

Test



This Product has been tested and the components have been found to conform to UE quality standards.

<b>Conclusion</b>	Up to standard	<b>Report Date</b>	09-09-2025
QC	<i>Chen ming Jiang</i>	QA	<i>Qiu Hua-Yu</i>

