

Adenine Labs – Certificate of Analysis

Compound	MK-677
CAS Number	159752-10-0
Chemical Formula	C27H36N4O5S
Molecular Weight	528.7 g/mol
Lot ID	AL-1080-MK-
Sample ID	S49632
Status	Verified
Date Generated	2025-05-19

Analytical Results

Test	Method	Specification	Result
Appearance	Visual	White or off-white powder	White crystalline powder
Identification	LC-MS	Mass spectrum consistent	Confirmed
Purity	HPLC (UV 214 nm)	>= 98.0 % (area)	99.0 %
Assay	HPLC	95.0-105.0 %	98.5 %
Water Content	Karl Fischer	<= 5.0 %	1.4 %
Endotoxin	LAL	< 0.25 EU/mg	< 0.25 EU/mg
Heavy Metals	ICP-MS	<= 10 ppm	< 5 ppm
Microbial Limit	USP <61>	< 100 CFU/g	< 10 CFU/g
Residual Solvents	GC-MS	ICH Q3C compliant	None detected

Quality Sign-Off

Analyst	Dr. Kao	Date	_____
QA Reviewer	Dr. Kilar	Date	_____
Final Approval	Dr. Barr	Date	_____

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