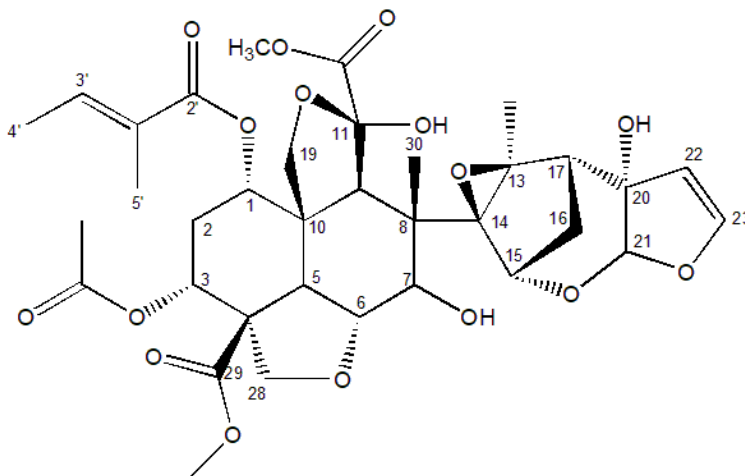


Certificate of Analysis

Product Information




PRODUCT	Azadirachtin A
BATCH #	040-150-304
ASSAY METHOD	HPLC, ¹ HNMR
REPORT DATE	3/1/2024
CHEMICAL NAME	dimethyl (1S,4S,5R,6S,7S,8R,11S,12R,14S,15R)-12-acetyloxy-4,7-dihydroxy-6-[(1R,2S,6S,8R,9R,11S)-2-hydroxy-11-methyl-5,7,10-trioxatetracyclo[6.3.1.02,6.09,11]dodec-3-en-9-yl]-6-methyl-14-[(E)-2-methylbut-2-enoyl]oxy-3,9-dioxatetracyclo[6.6.1.01,5.011,15]pentadecane-4,11-dicarboxylate
SMILES STRUCTURE	<chem>CC=C(C)C(=O)OC1CC(C2(COC3C2C14COC(C4C(C3O))(C)C56C7CC(C5(O6)C)C8(C=COC8O7)O)(C(=O)OC)O)C(=O)OC(=O)C</chem>
OTHER NAMES	N/A
CHEMICAL FORMULA	C ₃₅ H ₄₄ O ₁₆
MOLECULAR WEIGHT	720.721 g/mol
CAS REG. #	11141-17-6
STORAGE	<-18 degrees C; dark
EXPIRATION DATE	3/1/2027
NOTES	

Analytical Data

TEST	METHOD	SPECIFICATION	RESULT
HPLC-UV	217 nm	>95%	99.0%
¹ H-NMR		Conforms	Conforms
Residual Solvents (HS-GC-FID)			1.07%
Appearance	White powder		
Adjusted Purity	97.93%		

The producer certifies that this reference material meets the specifications stated in this certificate until the expiration date, provided it is stored unopened at the recommended conditions. All analytical data is prepared and stored following GLP guidelines.

CERTIFIED BY	CERTIFIED TITLE	CERTIFIED ON	SIGNATURE
Vitold Glinski	President	3/1/2024	

Intended Use

This reference material is intended for laboratory use in analytical applications and as a quality control standard.

Safety

Proper precautions should be observed while handling, as defined in the Materials Safety Data Sheet (MSDS).

Storage

The product should be stored in the original packaging, sealed, and in the conditions dedicated in this certificate