

CERTIFICATE OF ANALYSIS

Product Name MOTS-C 10mg - Cat.#:319017

Client/Lot No. Enzymic Chemical Supply

Sequence MRWQEMGYIFYPRKLR(Acetate Salt)

Dissolution condition 100% H2O

Length 16AA

Molecular Weight 2174.60 g/mol

	Specifications	Results
Strength	10.00 mg	11.20 mg
Appearance	White to off-white lyophilized powder	Conforms
pH value	6.0-8.0	7.3
Purity	≥98.0	99.1%
Impurity	Single Impurity ≤1.0%	0.5%
	Total Impurity ≤2.0%	0.9%

Conclusion

The sample was analyzed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.1% MOTS-C (11.20 mg).

Certified by:

Analytical Chemist

11/05/2024

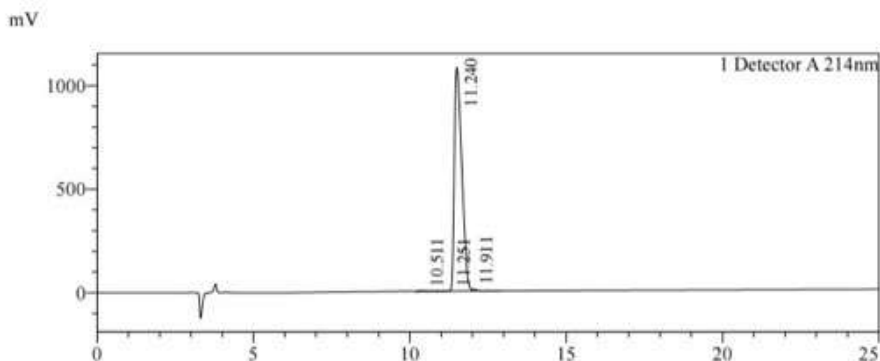




SAMPLE INFORMATION

Name :MOTS-C 10mg - Cat.#:319017
 Sequence :MRWQEMGYIFYPRKLR(Acetate Salt)
 Client Name/Lot. No :Enzymic Chemical Supply
 Pump A :0.01N K2PO4 in 100% water
 Pump B :100% acetonitrile
 Total Flow :1.0 ml/min
 Wavelength :214nm
 Analytical column type :Agilent ZORBAX StableBond 5 µm C18(2) (4.6*250mm*5 µm)
 Dissolution method :100%H2O
 Inj. Volume :30ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	25
5.00	Pumps	B.Conc	50
10.00	Pumps	B.Conc	100
15.00	Pumps	B.Conc	100
20.00	Pumps	B.Conc	25
25.00	Controller	Stop	



Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	10.511	32560	23772	0.223
2	11.240	22451	11002	0.154
3	11.251	17676623	1079993	99.124
4	11.911	93480	58690	0.499

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