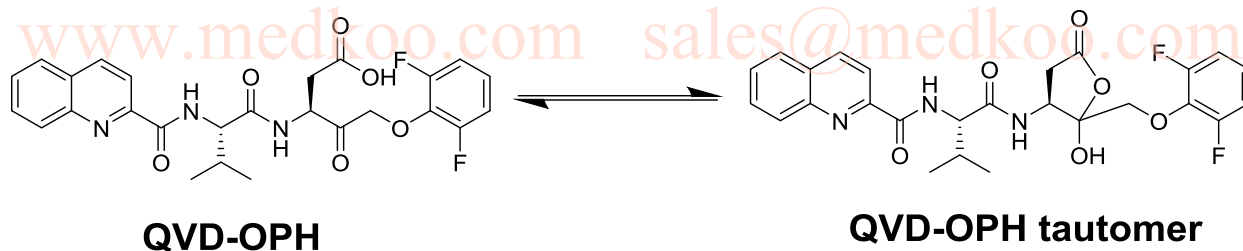




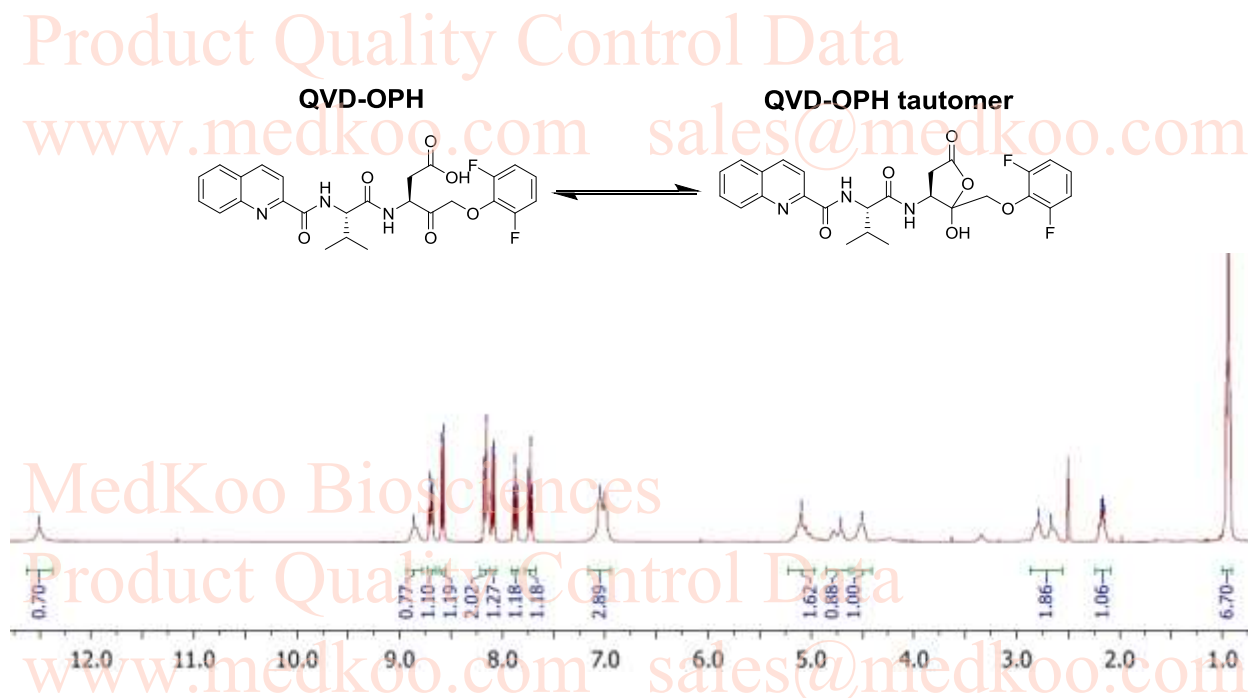
Potential tautomerization in QVD-OPH

MedKoo Cat#:	Product Name:	Lot#:
526845	QVD-OPH	YXM61024

Based on NMR analysis in DMSO-d₆ for QVD-OPH, we observed that in DMSO solvent, QVD-OPH may be co-existed with its tautomer. Both tautomers can be interchanged.



Evidences to support the above statement are (1) two peaks detected in HPLC analysis, both of which have the same molecule weight. (2) partial carboxylic proton peak is observed, (3) peak 5.5 ppm is a multiple peak, not a singlet peak (QVD-OPH).



—12.50

8.85
8.70
8.69
8.68
8.59
8.57
8.18
8.16
8.14
8.10
8.08
7.89
7.88
7.86
7.75
7.75
7.73
7.71
7.71
7.06
7.01

5.10
4.71
4.51

2.79
2.66
2.18
2.17
2.16
2.16

0.95
0.94

QVD-OPH NMR analysis, solvent = DMSO-d6

MedKoo Biosciences

Product Quality Control Data

www.medkoo.com sales@medkoo.com

MedKoo Cat#: 526845

Name: QVD-OPH

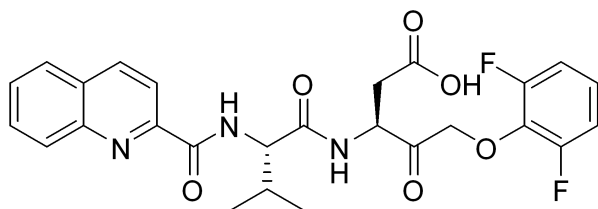
CAS#: 1135695-98-5

Lot# YXM61024

Chemical Formula: C₂₆H₂₅F₂N₃O₆

Exact Mass: 513.1711

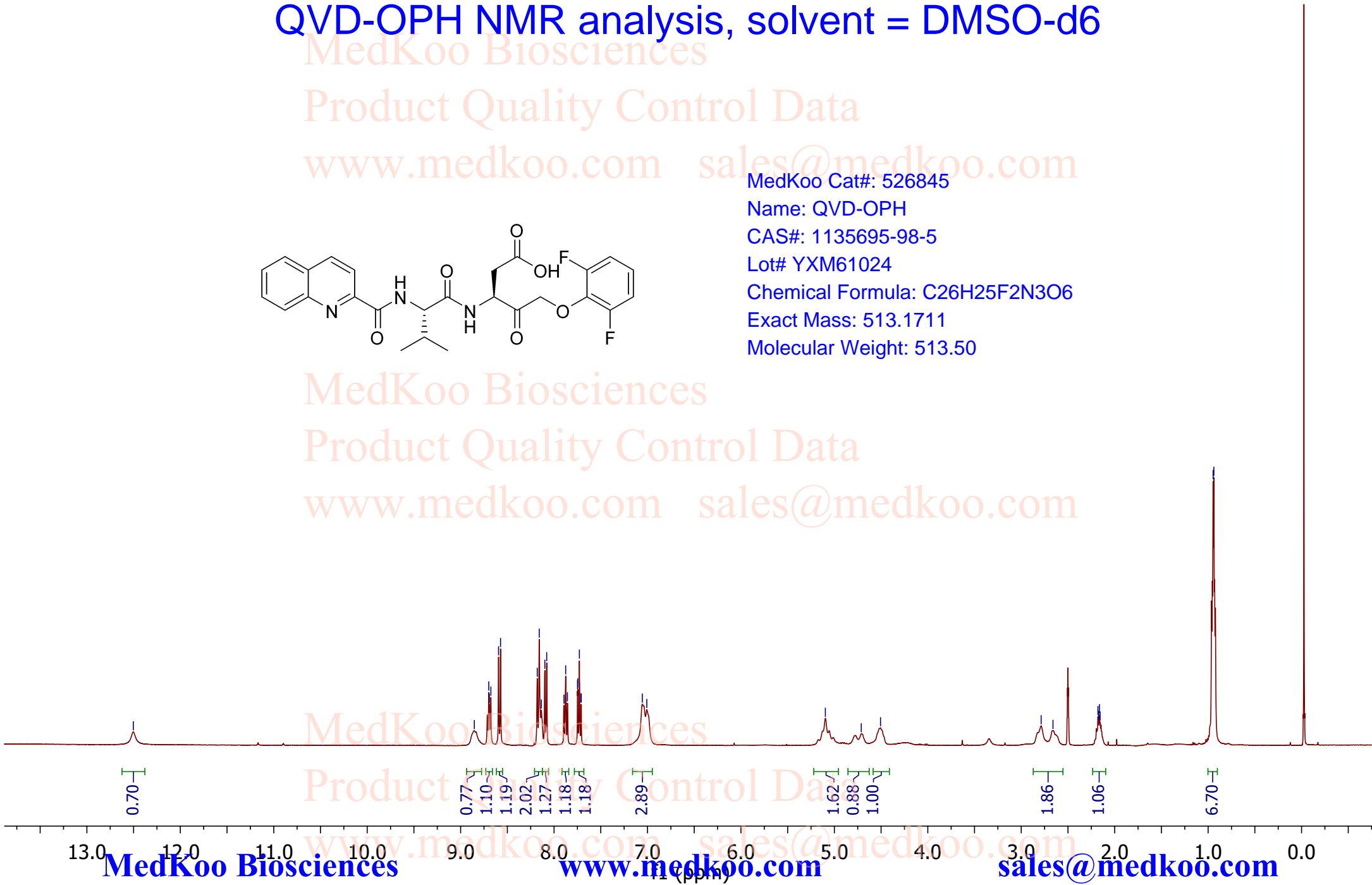
Molecular Weight: 513.50



MedKoo Biosciences

Product Quality Control Data

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sales@medkoo.com

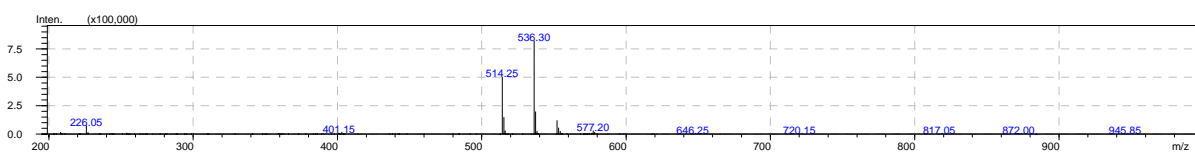
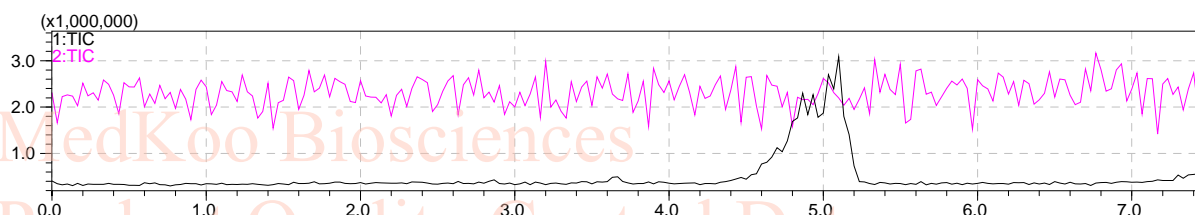
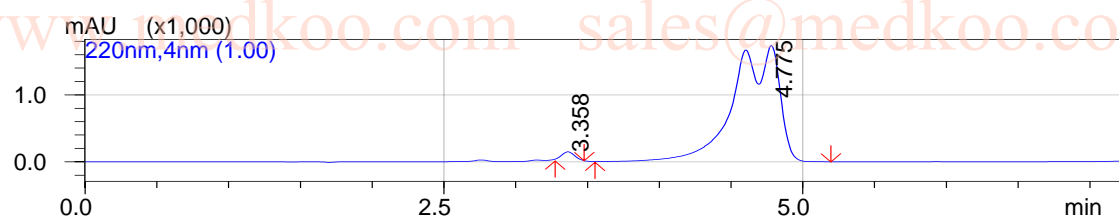
QVD-OPH HPLC analysis

==== Shimadzu LCMSsolution Analysis Report ====

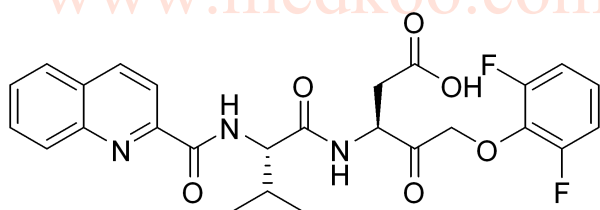
Acquired by : Admin
Sample Name : test
Sample ID :
Vial # : 126
Injection Volume : 10 uL
Data File Name : test103.lcd
Method File Name : Yuzhao 1135695-98-5.lcm :
Batch File Name : DefaultLCMS.lcr
Report File Name

MedKoo Biosciences

<Chromatogram>



Ret. Time	Conc.	Area	Height	Peak Start	Peak End	Area%
3.358	2.17370	864006	133508	3.275	3.477	2.1737
4.775	97.82630	38884069	1743673	3.552	5.195	97.8263



MedKoo Cat#: 526845

Name: QVD-OPH

CAS#: 1135695-98-5

Lot# YXM61024

Chemical Formula: C₂₆H₂₅F₂N₃O₆

Exact Mass: 513.1711

Molecular Weight: 513.50

sales@medkoo.com

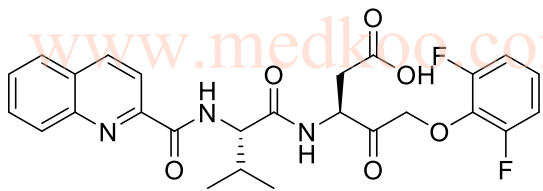
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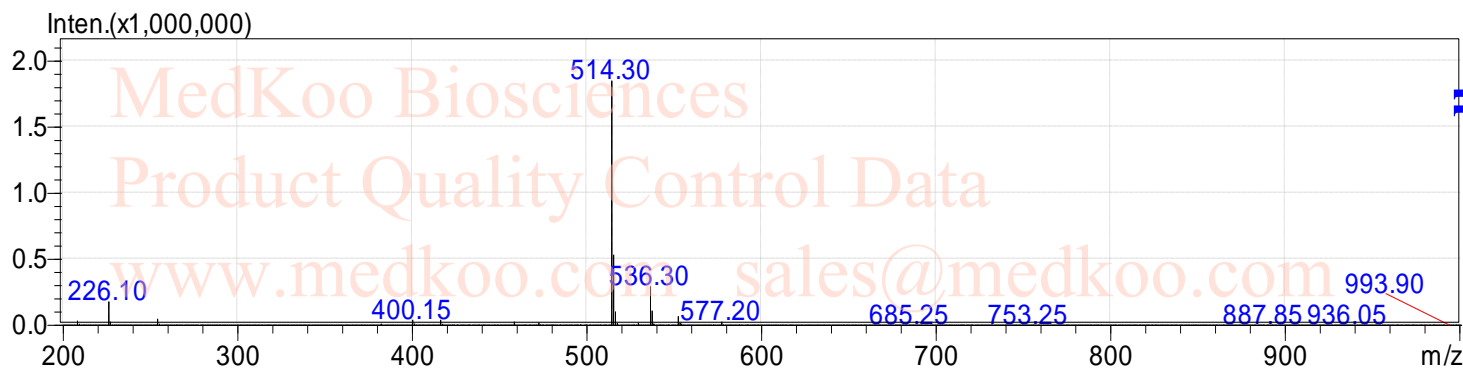


MS Analytical Report

MedKoo Cat#: 526845	Product Name: QVD-OPH	Lot#: YXM61024
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Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 526845 Name: QVD-OPH CAS#: 1135695-98-5 Lot# YXM61024 Chemical Formula: C ₂₆ H ₂₅ F ₂ N ₃ O ₆ Exact Mass: 513.1711 Molecular Weight: 513.50

QVD-OPH: MS: (M+H):



QVD-OPH: MS: (M-H):

