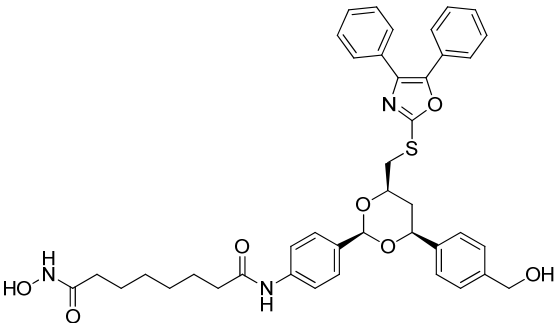




Certificate of Analysis

Product Name:		MedKoo Product Cat#:	
Tubacin		203055	
Chemical name			
N1-(4-((2R,4R,6S)-4-(((4,5-diphenyloxazol-2-yl)thio)methyl)-6-(4-(hydroxymethyl)phenyl)-1,3-dioxan-2-yl)phenyl)-N8-hydroxyoctanediamide			
Synonyms			
Tubacin; Octanediamide, N1-[4-[(2R,4R,6S)-4-[[[(4,5-diphenyl-2-oxazolyl)thio]methyl]-6-[4-(hydroxymethyl)phenyl]-1,3-dioxan-2-yl]phenyl]-N8-hydroxy-, rel-			
Chemical structure		CAS# and Theoretical analysis	
		CAS#: 537049-40-4 Chemical Formula: C ₄₁ H ₄₃ N ₃ O ₇ S Exact Mass: 721.28217 Molecular Weight: 721.86	
Batch No.:	Mfg. Date:	Test Date:	Retest date:
CT20110510	April 26, 2011	April 27, 2011	April 26, 2013

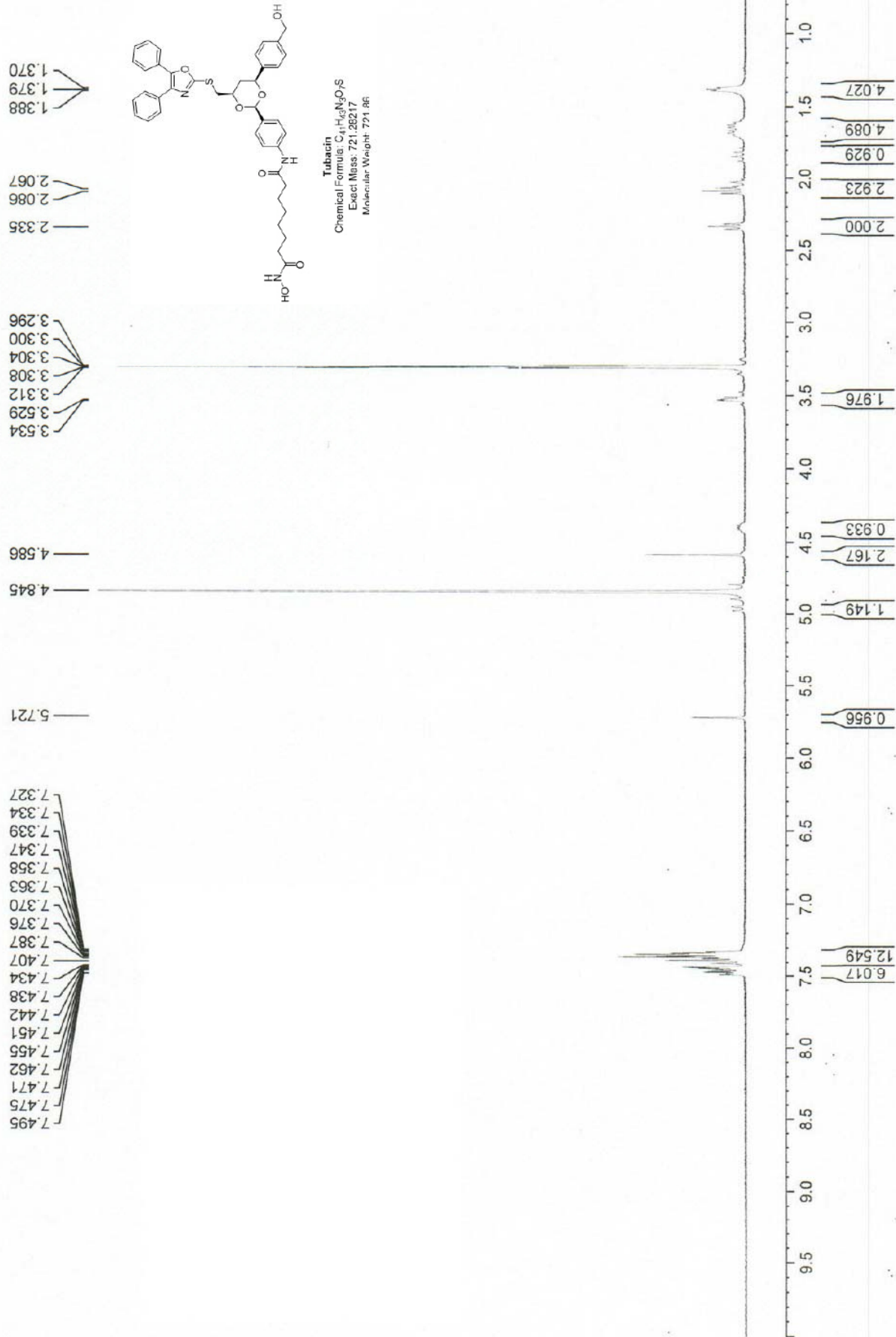
Analysis item	Specification	Results
Appearance	White solid powder	Complies
Structure	¹ H-NMR and MS spectrum of the sample correspond to the data reported in the literature	Complies
Purity (HPLC)	98%	98.7 %
Solubility	Soluble in DMF,DMSO	Complies
Additional information:	N/A	
Conclusion	This product conforms with MedKoo's quality's standards	
Storage	Store at -20 °C and in a well-closed container protecting from light.	
Self life	At least 2 years when properly stored.	

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE

T000301077 TH03415-020-1A1 MeOD 400MHz

Compound ID: Tubacin

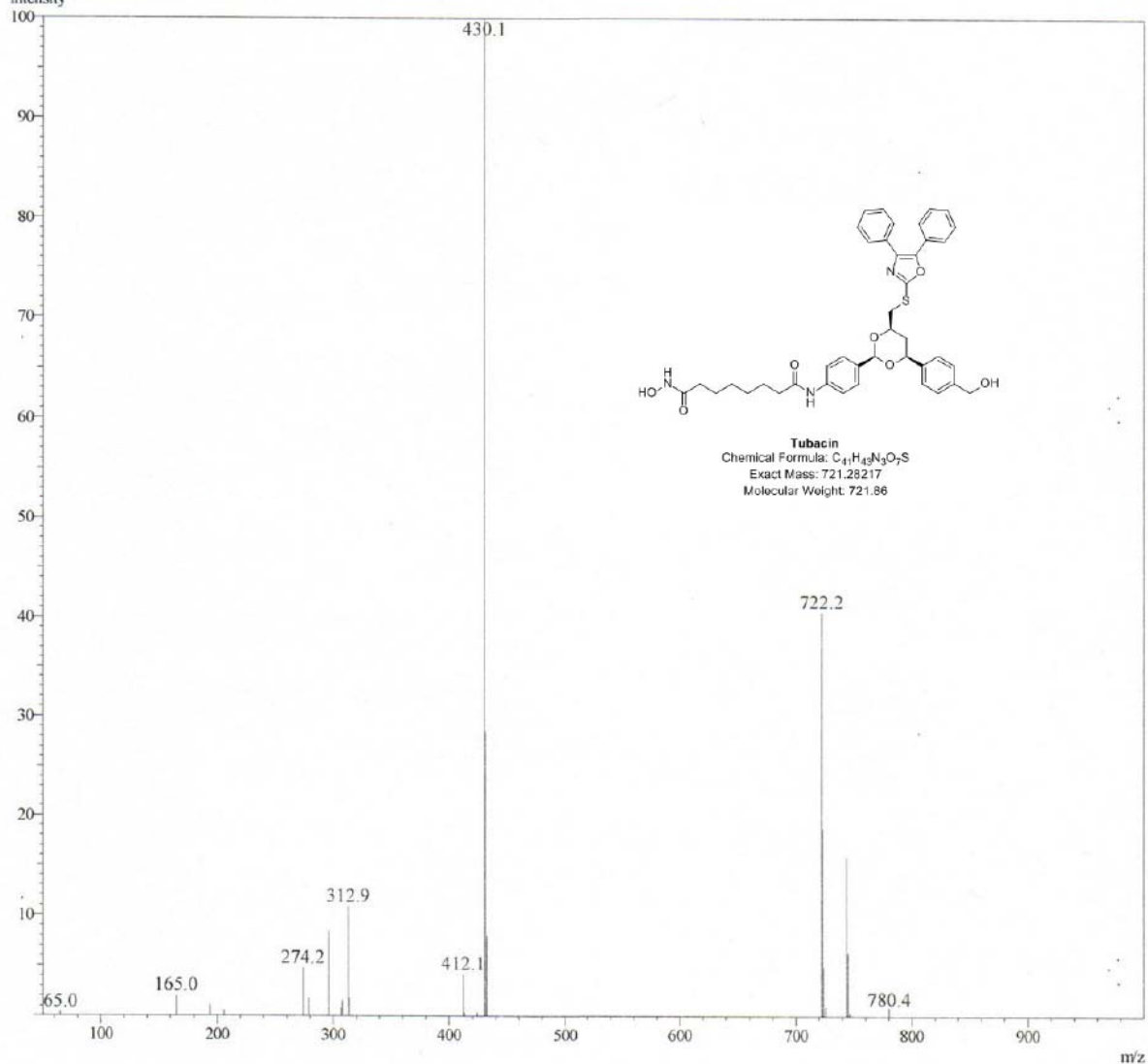
MedKoo Biosciences www.medkoo.com



MS REPORT

Compound ID: Tubacin
Sample ID: TH03415-020-1A
Injection Date: 2011-4-27 15:16:28
Org Data File: D:\MSM104mass(3)\CMT\Tubacin.lcd
Instrument: LCMS-G(6#-211)

#1 Ret. Time: Averaged 0.017-0.183(Scan#:4-14)
BG Mode: PkStart 0.000(3)
Mass Peaks: 25 Base Peak: 430.1(277994) MS Stage: Polarity: Pos
Intensity

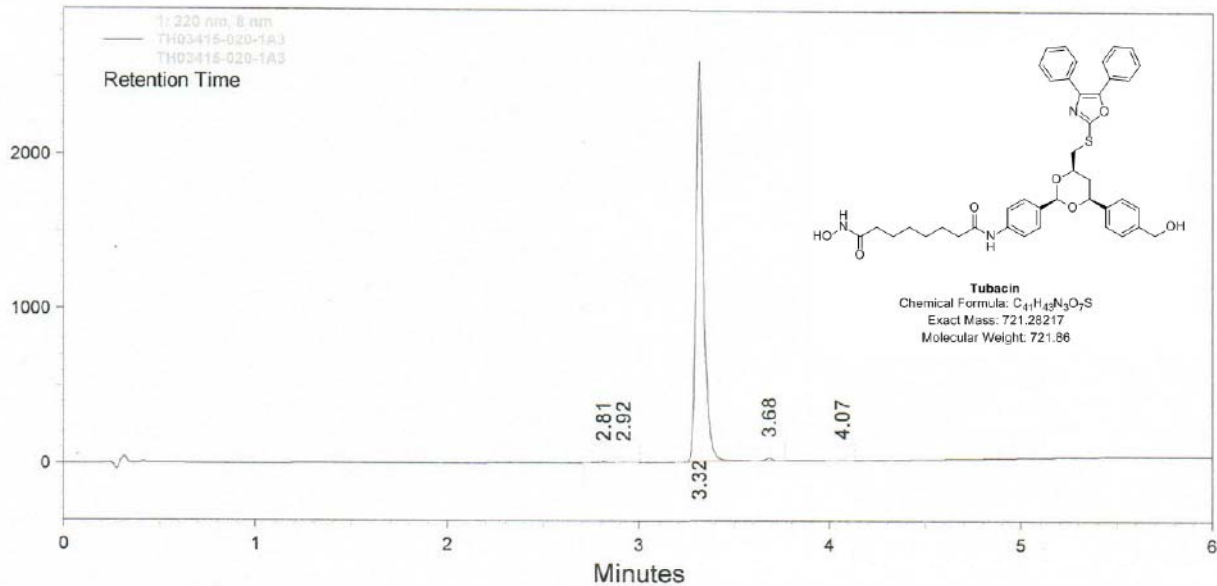


Operator: _____

Date: _____

HPLC REPORT

Compound ID : TH03415-020-1A3
Filename/Sample ID : D:\data\2011\1104\others\TH03415-020-1A3
Method Name : D:\method\method_5cm\0-30_3ml.met
Instrument & Column : HPLC-02 Venusil MP C18 4.5*50mm 5um
Run Time : 4/27/2011 9:33:27 AM



1: 220 nm, 8 nm

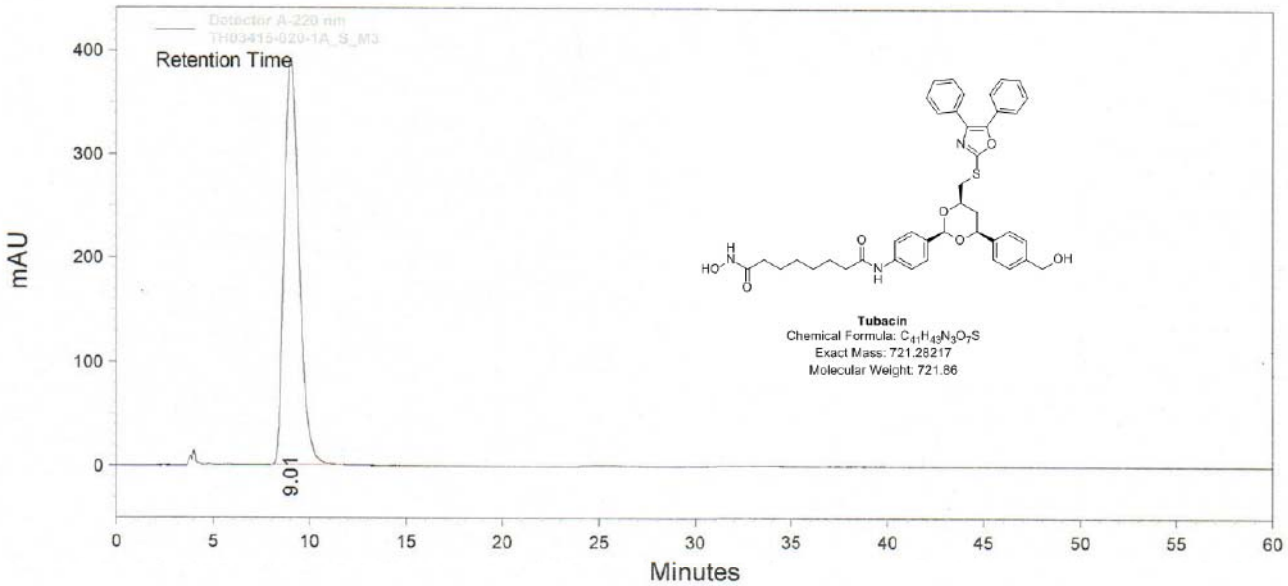
Retention Time	Height	Area	Area Percent
2.81	5132	18852	0.26
2.92	3195	9176	0.13
3.32	2553609	7232684	98.77
3.68	18279	53557	0.73
4.07	2874	8566	0.12

OPERATOR : _____

DATE : _____

CHIRAL HPLC REPORT

Compound ID : Tubacin
Filename/Sample ID : E:\DATA\1104\TH03415-020-1A_S_M3
Method Name : E:\CHIRAL\Chiral method\OJ-R_50_B_05ML.met
Instrument & Column : OJ-R A:H2O (0.069%TFA) B:ACN
Run Time : 4/30/2011 1:36:53 AM



Detector A-220 nm

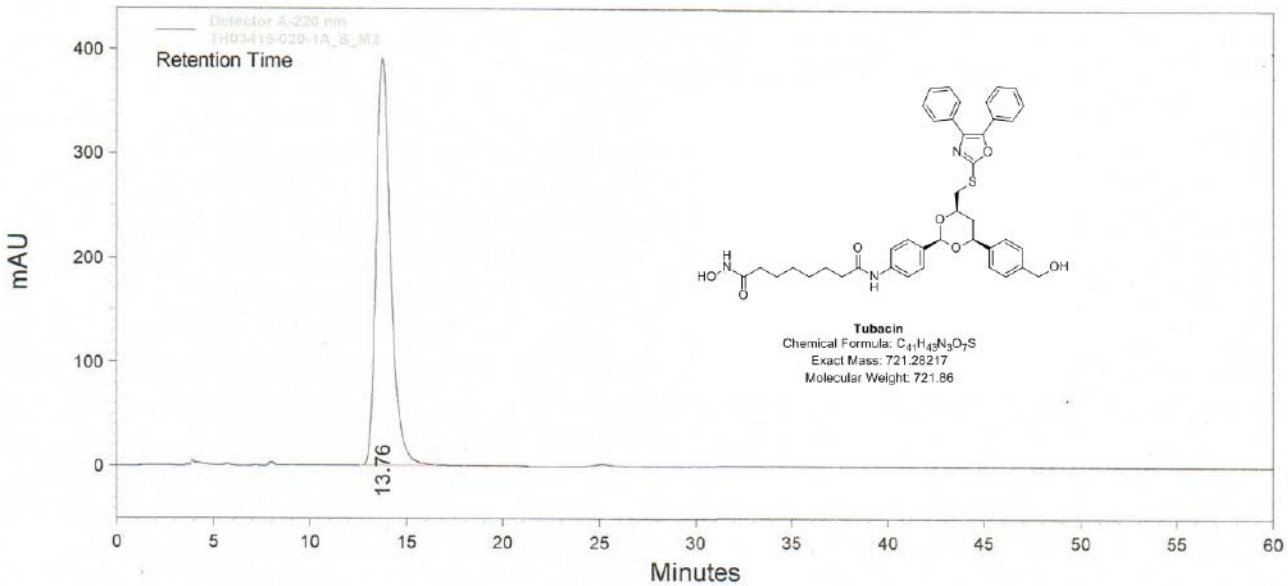
Retention Time	Height	Area	Area Percent
9.01	392187	20782537	100.00

OPERATOR : _____

DATE : _____

CHIRAL HPLC REPORT

Compound ID : Tubacin
Filename/Sample ID : E:\DATA\1104\TH03415-020-1A_S_M2
Method Name : E:\CHIRAL\Chiral method\AS-R_50_B_05ML_60MIN.met
Instrument & Column : AS-RH A:H2O (0.069%TFA) B:ACN
Run Time : 4/30/2011 12:16:15 AM



Detector A-220 nm

Retention Time	Height	Area	Area Percent
13.76	390551	20494981	100.00

OPERATOR : _____

DATE : _____