



Motexafin HNMR in MeOH-d4

Precursor for making Motexafin lutetium

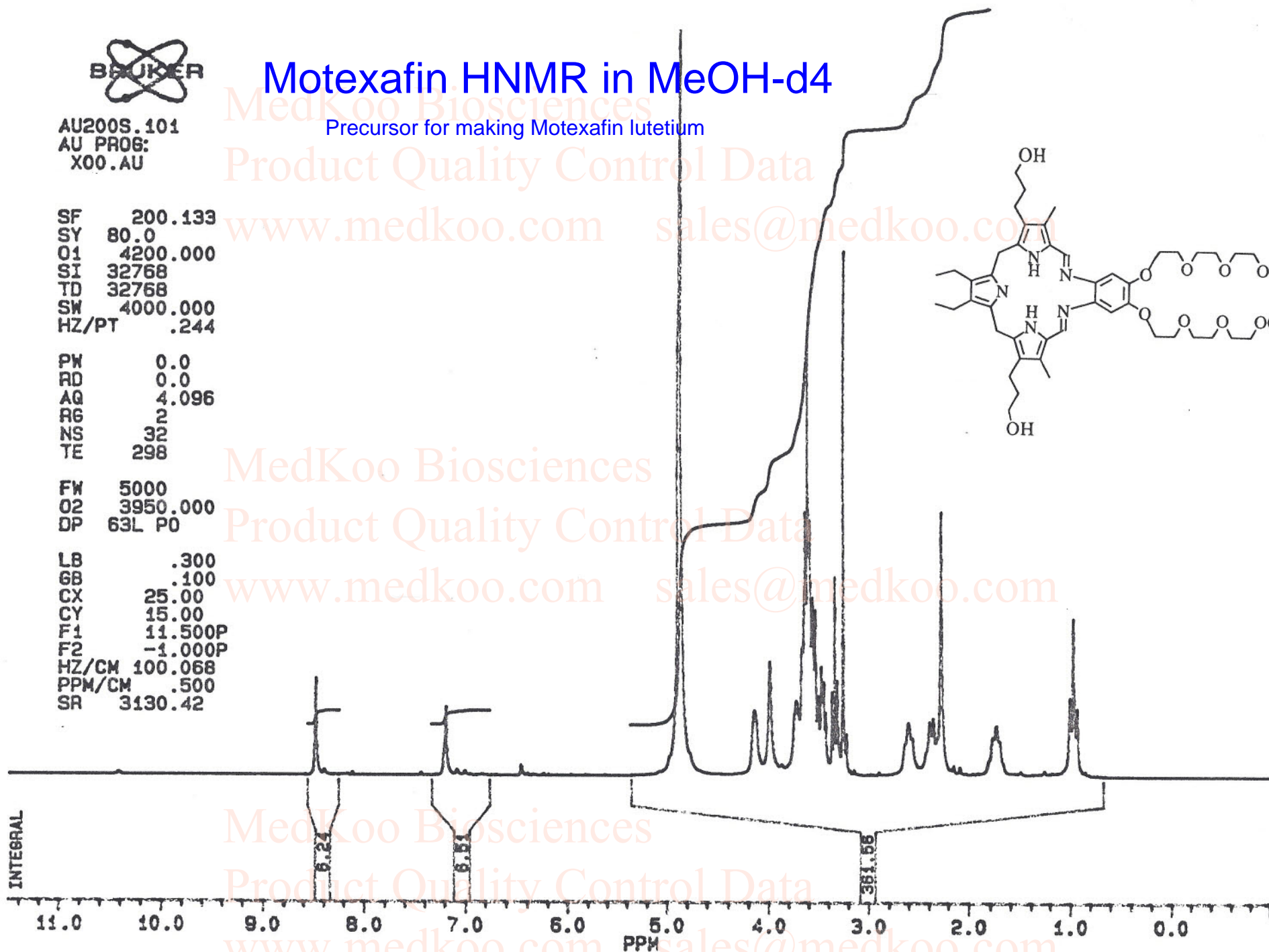
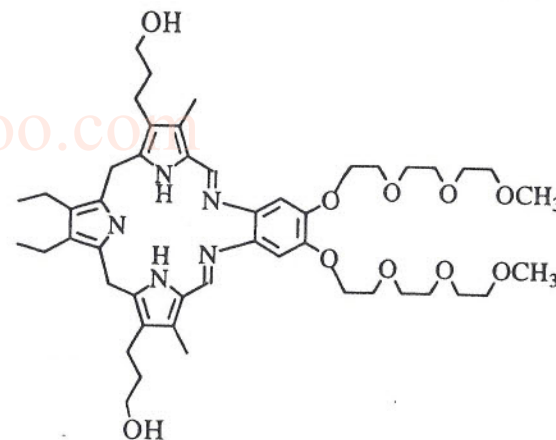
AU200S.101
AU PROG:
X00.AU

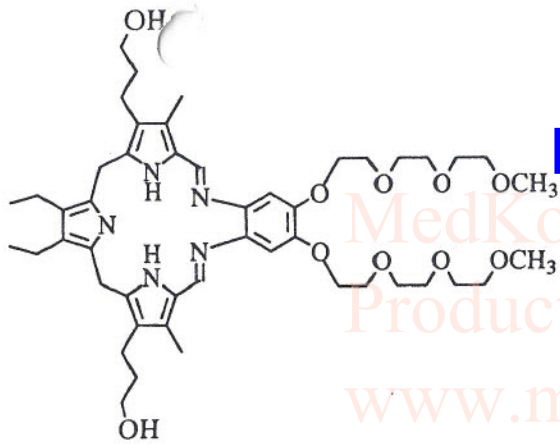
SF 200.133
SY 80.0
Q1 4200.000
SI 32768
TD 32768
SW 4000.000
HZ/PT .244

PW 0.0
RD 0.0
AQ 4.096
RG 2
NS 32
TE 298

FW 5000
O2 3950.000
DP 63L P0

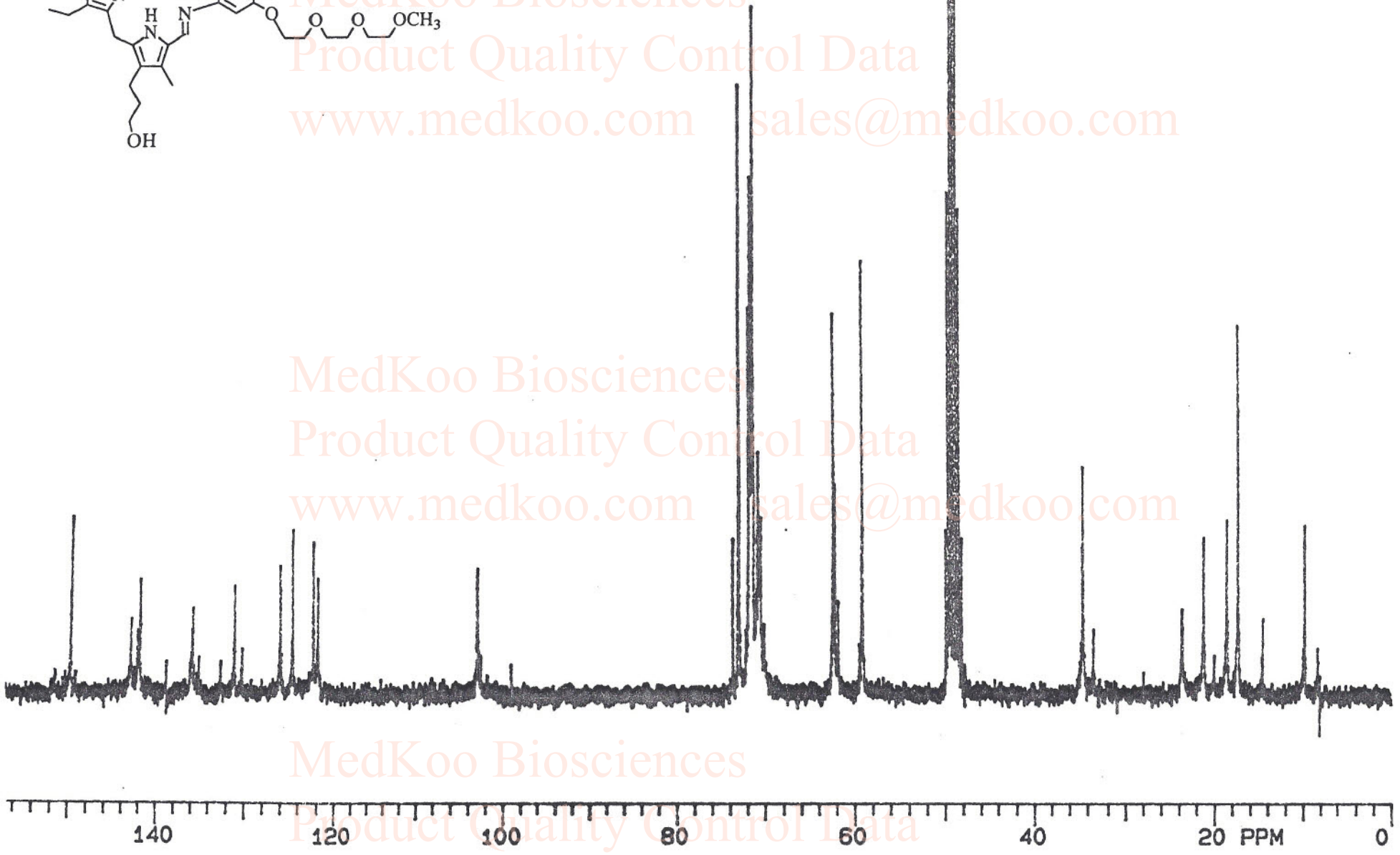
LB .300
GB .100
CX 25.00
CY 15.00
F1 11.500P
F2 -1.000P
HZ/CM 100.068
PPM/CM .500
SR 3130.42





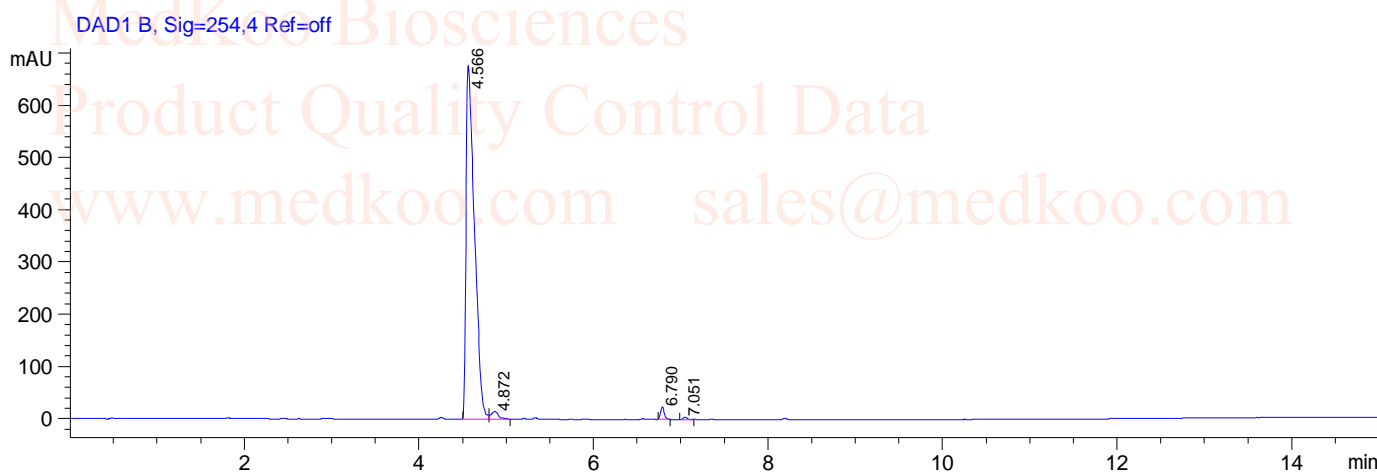
Motexafin ^{13}C NMR in MeOH-d_4

Precursor for making Motexafin lutetium



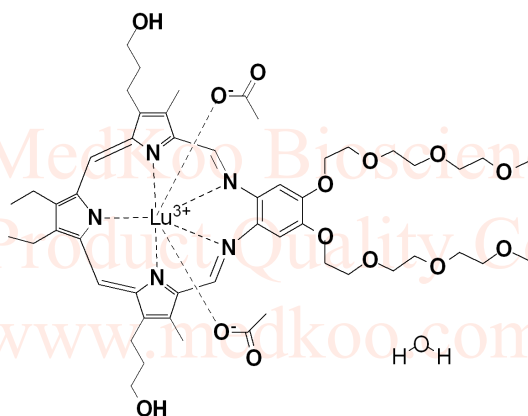
Motexafin Lutetium HPLC analysis

Sample Name : 1209-SM-25G **Seq. Line** : 0
Acq. Operator : 3 **Location** : P2-E-08
Spec. Reported : Integration **Inj** : 0
Inj Volume : 4 ul



Integration Results for DAD1 B, Sig=254,4 Ref=off

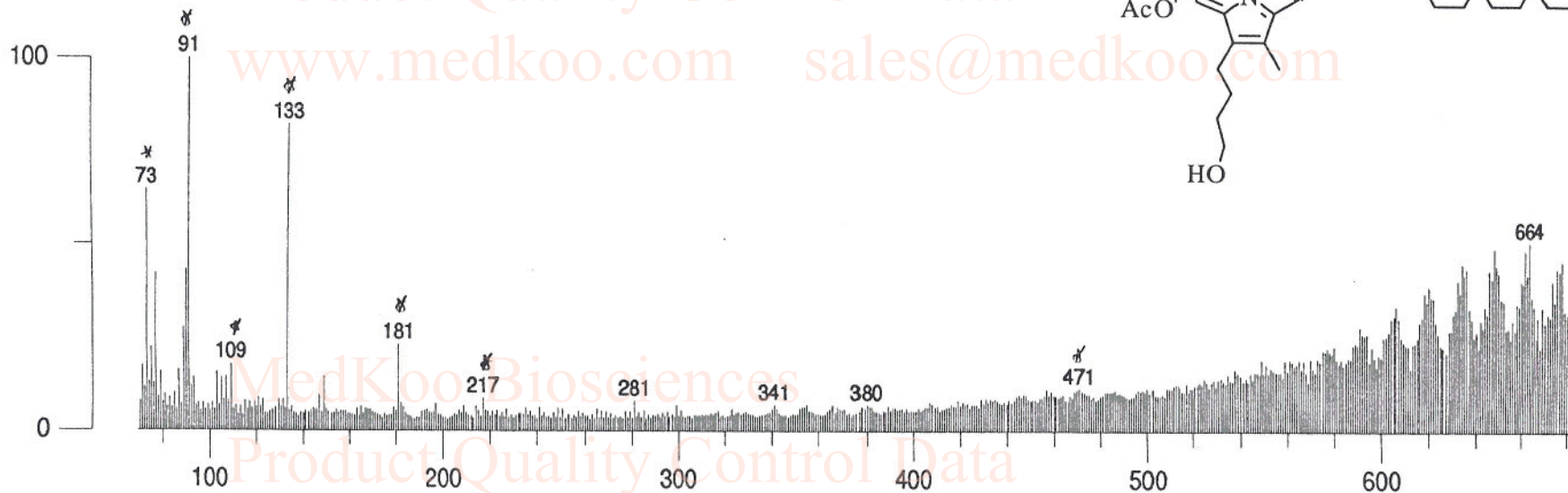
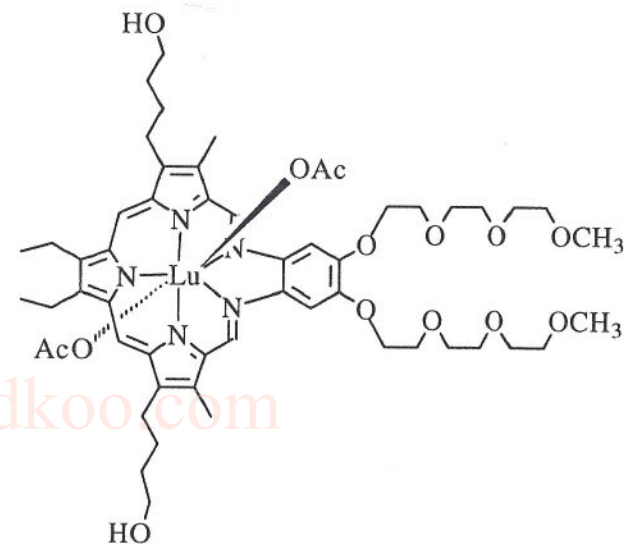
RetTim	Width	Area	Height	Area%
4.57	0.10	4538.31	678.63	96.34
4.87	0.09	86.87	14.26	1.84
6.79	0.05	71.19	23.35	1.51
7.05	0.05	14.19	4.39	0.30



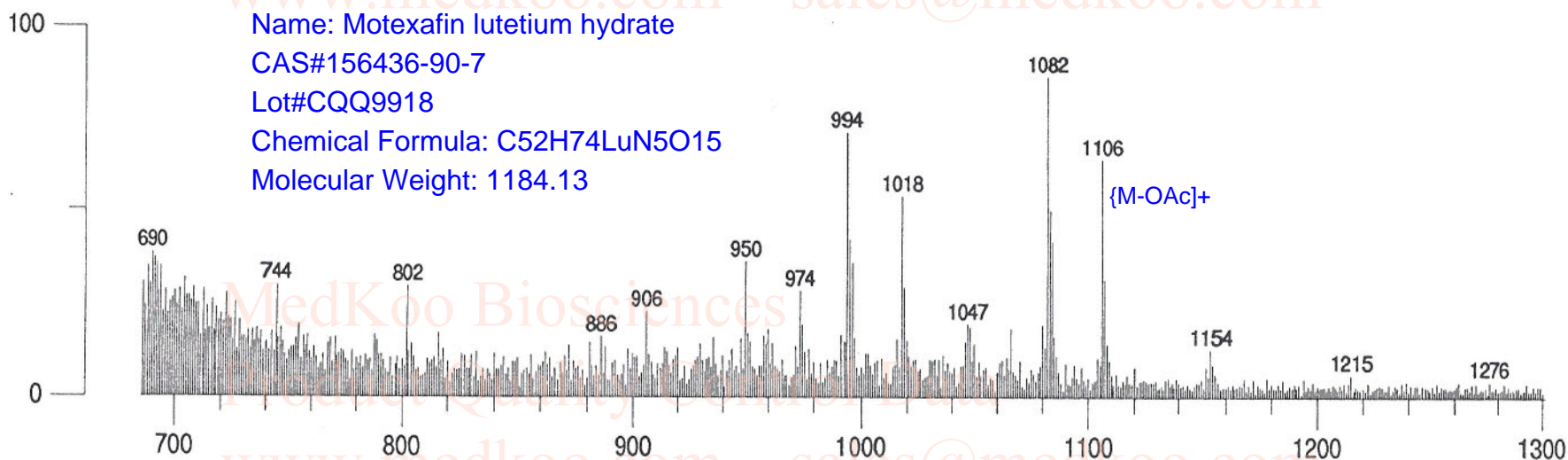
MedKoo Cat#:201942
 Name: Motexafin lutetium hydrate
 CAS#156436-90-7
 Lot#CQQ9918
 Chemical Formula: C52H74LuN5O15
 Molecular Weight: 1184.13

Motexafin Lutetium MS analysis

Isims10961 Scan 1 (Av 5-18 Acq) 100%=1526 mv 5 Jan 80 9:33
LRP +LSIMS SL10150 * Matrix: Thioglycerol



MedKoo Cat#:201942
Name: Motexafin lutetium hydrate
CAS#156436-90-7
Lot#CQQ9918
Chemical Formula: C₅₂H₇₄LuN₅O₁₅
Molecular Weight: 1184.13



Motexafin Lutetium Element Analysis

REQUISITION FOR MICROANALYSIS

Date: _____

Submitted by: MedKoo Biosciences, Inc.

Supervisors Name: _____

Elements to Analyze: C, H, N

Elements Present: C, H, N, O, Lu

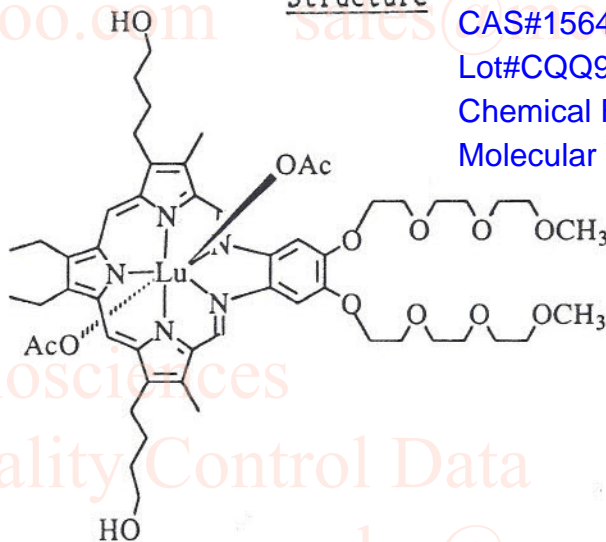
Empirical Formula: [C52H72LuN5O14].H2O

Theory or Range:

52.74	% C
6.30	% H
5.91	% N
_____	% S or O
_____	% [Cl, Br or I]

Comments _____

Structure



Sample Identification Motexafin
lutetium hydrate
Lot#CQQ9918

m.p. > 250 C

b.p. _____ °C at _____

Explosive

Hygroscopic

Volatile

Toxic

Irritant

Other (specify) _____

Sensitive to moisture

Weigh under N₂? _____

MedKoo Cat#:201942

Name: Motexafin lutetium hydrate

CAS#156436-90-7

Lot#CQQ9918

Chemical Formula: C52H74LuN5O15

Molecular Weight: 1184.13

Analyst's remark: _____

Elements determined	C	H	N		
Found	53.04	6.06	6.25		

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MedKoo Biosciences