

User's Manual for U07A.mdb

1) System requirements

O.S.	WINDOWS XP
Database Program	Access 2002 or Access 2003

2) Arrangement of files

For ease of explanation, the UMEZAWA database package is assumed to be installed on D: drive.

D:\U07A.mdb
D:\EMan07A.doc (this file)
D:\STR(10,656 TIF files)
 ¥01k (488 TIF files)
 ¥02k (552 TIF files)
 ¥03k (503 TIF files)
 ¥04k (486 TIF files)
 ¥05k (490 TIF files)
 ¥06k (502 TIF files)
 ¥07k (482 TIF files)
 ¥08k (448 TIF files)
 ¥09k (488 TIF files)
 ¥10k (444 TIF files)
 ¥11k (557 TIF files)
 ¥12k (544 TIF files)
 ¥13k (602 TIF files)
 ¥14k (629 TIF files)
 ¥15k (534 TIF files)
 ¥16k (549 TIF files)
 ¥17k (655 TIF files)
 ¥18k (729 TIF files)
 ¥19k (769 TIF files)
 ¥20k (206 TIF files)
D:\FK ¥01k (1001 TEXT files)
 ¥02k (1000 TEXT files)
 ¥03k (1000 TEXT files)
 ¥04k (1000 TEXT files)
 ¥05k (1000 TEXT files)
 ¥06k (1000 TEXT files)
 ¥07k (1000 TEXT files)
 ¥08k (1000 TEXT files)
 ¥09k (1000 TEXT files)
 ¥10k (1000 TEXT files)
 ¥11k (1000 TEXT files)

¥12k (1000 TEXT files)
 ¥13k (1000 TEXT files)
 ¥14k (1000 TEXT files)
 ¥15k (1000 TEXT files)
 ¥16k (1000 TEXT files)
 ¥17k (1000 TEXT files)
 ¥18k (1000 TEXT files)
 ¥19k (1000 TEXT files)
 ¥20k (658 TEXT files)

3) Some search examples for UMEZAWA DB 07A

(a) Search producer with title

Category : Title (full or partial string)

Contents : Producer

1. Select the second row from the top.
2. Click the button (Fig. 1).
3. Input “*kana*” and enter (Fig. 2).
4. Seventy-one genus and species names of producers of kanagawamicin and kanamycin analogs are shown (Fig. 3).
5. Data sheet and structure of kanamycin B are selected (Figs. 4 and 5).

Fig. 1

Category	Click	Search terms	Contents
Title		Title	Reference and Structure
		Compound name	Producer
		Compound name	Reference
		Compound name	Patent
Producer		Genus and species	Producer
Formula		Carbon	MW and Formula
		C, H, N and O	MW and Formula
Relative MW		MW	MW and Formula
UV absorption		One peak	Only one peak
		Two peaks	More than one UV peak
		Three peaks	More than two UV peaks
		One peak	All peaks containing the target
Combination		C and MW	MW and Formula
		One UV peak and C	Only one UV peak and C
		One UV peak and MW	Only one UV peak and MW

Contents are given in a table and hyperlinked to data sheets and chemical structures, if available.

Fig. 2



Fig. 3

ID05A	Title	Genus	species	FK	Structure
2455	KANAGAWAMICIN	Actinoplanes	kanagawaensis 232-4 (FERM-P 6094)	FK#03k#FK02455	str#03k#2455.tif
2456	KANAMYCIN	Streptomyces	canus	FK#03k#FK02456	str#03k#2456.tif
2456	KANAMYCIN	Streptomyces	takakuraensis	FK#03k#FK02456	str#03k#2456.tif
2456	KANAMYCIN	Streptomyces	kanamyceticus K-2J	FK#03k#FK02456	str#03k#2456.tif
2457	5-DEOXYKANAM	Streptomyces	kanamyceticus KN-4 (FERM-P 2130)	FK#03k#FK02457	
2458	2-HYDROXY-6-L	Streptomyces	kanamyceticus KN-4 (FERM-P 2130)	FK#03k#FK02458	str#03k#2458.tif
2459	1-N-METHYL-6-	Streptomyces	kanamyceticus KN-4 (FERM-P 2130)	FK#03k#FK02459	
2461	3'-DEOXY-4"-C-I	Micromonospora	echinospora IFO 13149 (NRRL 2985, ATCC 31350, FERM-P 4303, NRRL 2985-N)	FK#03k#FK02461	str#03k#2461.tif
2461	3'-DEOXY-4"-C-I	Micromonospora	purpurea IFO 13150 (NRRL 2953)	FK#03k#FK02461	str#03k#2461.tif
2461	3'-DEOXY-4"-C-I	Micromonospora	sp. K-6993-Y-41 (ATCC 31349, FERM-P 4305)	FK#03k#FK02461	str#03k#2461.tif
2461	3'-DEOXY-4"-C-I	Micromonospora	sp. K-6993 (ATCC 31348, FERM-P 4304)	FK#03k#FK02461	str#03k#2461.tif
2463	3"-N-METHYLKA	Micromonospora	inoyensis 1550F-1G (NRRL 5742)	FK#03k#FK02463	str#03k#2463.tif
2463	3"-N-METHYLKA	Micromonospora	purpurea 1124 (NRRL 8102)	FK#03k#FK02463	str#03k#2463.tif
2463	3"-N-METHYLKA	Micromonospora	purpurea IFO 13150 (NRRL 2953)	FK#03k#FK02463	str#03k#2463.tif
2463	3"-N-METHYLKA	Micromonospora	sp. K-6993-Y-41 (ATCC 31349, FERM-P 4305)	FK#03k#FK02463	str#03k#2463.tif
2463	3"-N-METHYLKA	Micromonospora	echinospora IFO 13149 (NRRL 2985, ATCC 31350, FERM-P 4303, NRRL 2985-N)	FK#03k#FK02463	str#03k#2463.tif
2463	3"-N-METHYLKA	Micromonospora	sp. K-6993 (ATCC 31348, FERM-P 4304)	FK#03k#FK02463	str#03k#2463.tif
2464	4"-O-METHYL-3"	Micromonospora	echinospora IFO 13149 (NRRL 2985, ATCC 31350, FERM-P 4303, NRRL 2985-N)	FK#03k#FK02464	str#03k#2464.tif
2464	4"-O-METHYL-3"	Micromonospora	sp. K-6993 (ATCC 31348, FERM-P 4304)	FK#03k#FK02464	str#03k#2464.tif
2464	4"-O-METHYL-3"	Micromonospora	sp. K-6993-Y-41 (ATCC 31349, FERM-P 4305)	FK#03k#FK02464	str#03k#2464.tif
2464	4"-O-METHYL-3"	Micromonospora	purpurea IFO 13150 (NRRL 2953)	FK#03k#FK02464	str#03k#2464.tif
2464	4"-O-METHYL-3"	Micromonospora	purpurea 1124 (NRRL 8102)	FK#03k#FK02464	str#03k#2464.tif
2464	4"-O-METHYL-3"	Micromonospora	inoyensis 1550F-1G (NRRL 5742)	FK#03k#FK02464	str#03k#2464.tif
2465	KANAMYCIN B	Streptoalloteichus	hindustanus ATCC 31217-9	FK#03k#FK02465	str#03k#2465.tif
2465	KANAMYCIN B	Streptomyces	kanamyceticus var. A-4-6 (FERM-P 60)	FK#03k#FK02465	str#03k#2465.tif
2465	KANAMYCIN B	Streptomyces	kanamyceticus var. 3AG (FERM-P 59)	FK#03k#FK02465	str#03k#2465.tif
2465	KANAMYCIN B	Streptomyces	kanamyceticus var. 19-2 (FERM-P 182)	FK#03k#FK02465	str#03k#2465.tif
2465	KANAMYCIN B	Streptomyces	kanamyceticus K-2J	FK#03k#FK02465	str#03k#2465.tif
2465	KANAMYCIN B	Streptomyces	kanamyceticus var. 18-8 (FERM-P 61)	FK#03k#FK02465	str#03k#2465.tif
2466	3'-DEOXY-3"-N-I	Micromonospora	sp. K-6993-Y-41 (ATCC 31349, FERM-P 4305)	FK#03k#FK02466	str#03k#2466.tif
2466	3'-DEOXY-3"-N-I	Micromonospora	inoyensis 1550F-1G (NRRL 5742)	FK#03k#FK02466	str#03k#2466.tif
2466	3'-DEOXY-3"-N-I	Micromonospora	purpurea 1124 (NRRL 8102)	FK#03k#FK02466	str#03k#2466.tif
2466	3'-DEOXY-3"-N-I	Micromonospora	sp. K-6993 (ATCC 31348, FERM-P 4304)	FK#03k#FK02466	str#03k#2466.tif
2466	3'-DEOXY-3"-N-I	Micromonospora	echinospora IFO 13149 (NRRL 2985, ATCC 31350, FERM-P 4303, NRRL 2985-N)	FK#03k#FK02466	str#03k#2466.tif
2466	3'-DEOXY-3"-N-I	Micromonospora	purpurea IFO 13150 (NRRL 2953)	FK#03k#FK02466	str#03k#2466.tif
2467	3'-DEOXY-4"-C-I	Micromonospora	sp. K-6993-Y-41 (ATCC 31349, FERM-P 4305)	FK#03k#FK02467	str#03k#2467.tif
2467	3'-DEOXY-4"-C-I	Micromonospora	echinospora IFO 13149 (NRRL 2985, ATCC 31350, FERM-P 4303, NRRL 2985-N)	FK#03k#FK02467	str#03k#2467.tif
2467	3'-DEOXY-4"-C-I	Micromonospora	inoyensis 1550F-1G (NRRL 5742)	FK#03k#FK02467	str#03k#2467.tif
2467	3'-DEOXY-4"-C-I	Micromonospora	purpurea IFO 13150 (NRRL 2953)	FK#03k#FK02467	str#03k#2467.tif
2467	3'-DEOXY-4"-C-I	Micromonospora	sp. K-6993 (ATCC 31348, FERM-P 4304)	FK#03k#FK02467	str#03k#2467.tif
2470	3',4'-DIDEOXY-3"	Micromonospora	purpurea IFO 13150 (NRRL 2953)	FK#03k#FK02470	str#03k#2470.tif
2470	3',4'-DIDEOXY-3"	Micromonospora	purpurea 1124 (NRRL 8102)	FK#03k#FK02470	str#03k#2470.tif
2470	3',4'-DIDEOXY-3"	Micromonospora	inoyensis 1550F-1G (NRRL 5742)	FK#03k#FK02470	str#03k#2470.tif
2470	3',4'-DIDEOXY-3"	Micromonospora	sp. K-6993 (ATCC 31348, FERM-P 4304)	FK#03k#FK02470	str#03k#2470.tif
2470	3',4'-DIDEOXY-3"	Micromonospora	echinospora IFO 13149 (NRRL 2985, ATCC 31350, FERM-P 4303, NRRL 2985-N)	FK#03k#FK02470	str#03k#2470.tif
2470	3',4'-DIDEOXY-3"	Micromonospora	sp. K-6993-Y-41 (ATCC 31349, FERM-P 4305)	FK#03k#FK02470	str#03k#2470.tif

Fig. 4

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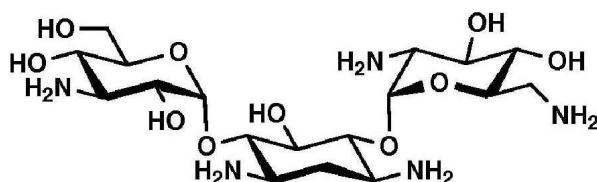
=====
ID#05B   : 02465
Title    : KANAMYCIN B
Alias     : KANENDOMYCIN (TRADE NAME)
Identical: NEBRAMYCIN FACTOR 5
Str. Info.: Structure given ;
Rotation : +126// 24/D (c 0.7, H2O)
          +135// 24/D (c 0.63, H2O)
Formula  : C 18  H 37  N 5  O 10
Rel. MW   : 483.51
Note     : BASIC, WHITE CRYSTALS, SOL. IN H2O.
Structure: #str#03k#2465.tif#
Producer : Streptoalloteichus hindustanus ATCC 31217-9
=====

```

- Streptomyces kanamyceticus K-2J
Streptomyces kanamyceticus var. 18-8 (FERM-P 61)
Streptomyces kanamyceticus var. 19-2 (FERM-P 182)
Streptomyces kanamyceticus var. 3AG (FERM-P 59)
Streptomyces kanamyceticus var. A-4-6 (FERM-P 60)
- Reference: J. AM. CHEM. SOC. 80, 2911-12 (1958)
J. AM. CHEM. SOC. 85, 1547-8 (1963)
J. ANTIBIOT. 21, 424-425 (1968)
J. ANTIBIOT. 26, 745-751 (1973)
J. ANTIBIOT. A14, 180-6 (1961)
J. ANTIBIOT. A14, 187-93 (1961)
J. ANTIBIOT. A17, 189-93 (1964)
- Patent : MEIJI SEIKA: JAPAN 74-44,344, NOV. 27, 1974
MEIJI SEIKA: JAPAN 74-511, JAN. 8, 1974
MICROB. CHEM. : JAPAN 61-8,695, JUNE 26, 1961
- =====

Fig. 5

Kanamycin B, Kanendomycin, Bekanamycin,
Nebramycin factor 5, Aminodeoxykanamycin,
Kdm, AKM, Km B, NK1006



(b) Search title with the number of carbon atoms

Category : Formula (Carbon)

Contents : Formula, MW and Title

1. Select the sixth row from the menu top.
2. Click the button (Fig. 6).
3. Input the number of carbon atoms (the range of lower and upper limits) (Fig. 7).
4. Twenty-six titles are shown together with the formula and MW. (Fig. 8).

Fig. 6

IMEU : フォーム

UMEZAWA DB 2005A Search Menu STOP Close ACCESS

Category	Click	Search terms	Contents
Title		Title	Reference and Structure
		Compound name	Producer
		Compound name	Reference
		Compound name	Patent
Producer		Genus and species	Producer
Formula		Carbon	MW and Formula
		C, H, N and O	MW and Formula
Relative MW		MW	MW and Formula
UV absorption		One peak	Only one peak
		Two peaks	More than one UV peak
		Three peaks	More than two UV peaks
		One peak	All peaks containing the target
Combination		C and MW	MW and Formula
		One UV peak and C	Only one UV peak and C
		One UV peak and MW	Only one UV peak and MW

Contents are given in a table and hyperlinked to data sheets and chemical structures, if available.

Fig. 7

パラメータの入力 ✕

Carbon: lower limit ?

OK
キャンセル

パラメータの入力 ✕

Carbon: upper limit ?

OK
キャンセル

Fig. 8

qConly : 選択クエリ

C	Rel MW	ID05A	Title	FK	Structure
65	1297.519	121	ACTINOMYCIN A	FK#01k#FK00121	
65	1297.519	152	ACTINOMYCIN E	FK#01k#FK00152	
65	1433.228	790	DESMETHYLBAL	FK#01k#FK00790	
65	1651.856	891	BLEOMYCIN B/6	FK#01k#FK00891	str#nbc#snb0334.tif
65	1258.588	2621	LEUCOMYCIN A/	FK#03k#FK02621	
65	1441.429	2716	LUZOPEPTIN D	FK#03k#FK02716	
65	1226.461	3724	PHENELFAMYCIN	FK#04k#FK03724	str#nop#snp0344.tif
65	1226.461	3725	PHENELFAMYCIN	FK#04k#FK03725	str#nop#snp0345.tif
65	1510.748	4542	SIOMYCIN B	FK#05k#FK04542	str#nqs#sns0272.tif
65	1674.791	4772	TALLYSOMYCIN :	FK#05k#FK04772	str#ntz#snt0025.tif
65	1674.791	4773	TALLYSOMYCIN :	FK#05k#FK04773	str#ntz#snt0027.tif
65	1267.426	4917	TETROCARCIN K	FK#05k#FK04917	str#05k#4917.tif
65	1435.244	5602	A-51568 A	FK#06k#FK05602	
65	1241.476	6397	DJ-400 B/1/	FK#07k#FK06397	
65	1226.461	6974	GANEFROMYCIN	FK#07k#FK06974	str#07k#6974.tif
65	1226.461	6975	LL-E 19020 ALPH	FK#07k#FK06975	str#07k#6975.tif
65	1226.461	6976	GANEFROMYCIN	FK#07k#FK06976	str#07k#6976.tif
65	1492.058	8391	UK-69542	FK#09k#FK08391	str#09k#8391.tif
65	1291.489	8752	67-121 C	FK#09k#FK08752	str#09k#8752.tif
65	1439.461	13409	BMY-46408	FK#14k#FK13409	str#14k#13409.tif
65	1439.461	13504	KORKORMICIN E	FK#14k#FK13504	str#14k#13504.tif
65	1401.577	13760	CALEDOTHRICIN	FK#14k#FK13760	
65	1325.662	14803	LP237-F8	FK#15k#FK14803	
65	1226.461	15794	ELFAMYCIN 15	FK#16k#FK15794	
65	1437.445	15986	QUINOXAPEPTIN	FK#16k#FK15986	str#16k#15986.tif
65	1198.624	17287	amycomycin	FK#18k#FK17287	str#18k#17287.tif

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(c) **Search title with more than two peaks**

Category : UV absorption (more than two peaks)

Contents : 3 UV peaks, Conditions and all UV peaks

(titles with the indicated 3 UV peaks are shown)

1. Select the fourth row from the bottom.
2. Click the button (Fig. 12).
3. Enter 3 ranges of UV peaks (Fig. 13).
4. Forty-five titles are shown with the selected contents (Fig. 14).

Fig. 12

Category	Click	Search terms	Contents
Title		Title	Reference and Structure
		Compound name	Producer
		Compound name	Reference
		Compound name	Patent
Producer		Genus and species	Producer
Formula		Carbon	MW and Formula
		C, H, N and O	MW and Formula
Relative MW		MW	MW and Formula
UV absorption		One peak	Only one peak
		Two peaks	More than one UV peak
		Three peaks	More than two UV peaks
		One peak	All peaks containing the target
Combination		C and MW	MW and Formula
		One UV peak and C	Only one UV peak and C
		One UV peak and MW	Only one UV peak and MW

Contents are given in a table and hyperlinked to data sheets and chemical structures, if available.

Fig. 13

Figure 14 shows six dialog boxes for parameter input, arranged in a 3x2 grid. Each dialog has a title bar "パラメータの入力" and a close button. The left column contains "Peak1: lower limit?", "Peak2: lower limit?", and "Peak3: lower limit?" with input fields containing 255, 300, and 350 respectively. The right column contains "Peak1: upper limit?", "Peak2: upper limit?", and "Peak3: upper limit?" with input fields containing 258, 305, and 355 respectively. Each dialog has "OK" and "キャンセル" buttons, with the "OK" button highlighted by a red box and a mouse cursor.

Fig. 14

q3+U : 選択クエリ							
tAbs_A1	tAbs_1	tAbs_2	Abs peak string	ID05A	Title	FK	Structure
255	303	350	221, 255, 262, 269	1715	ERIZOMYCIN	FK#02k#FK01715	
258	301	350	206, 256, 301, 352	1751	ESMERALDINE B	FK#02k#FK01751	str#ndf#sne0318.t
256	301	350	206, 256, 301, 352	1751	ESMERALDINE B	FK#02k#FK01751	str#ndf#sne0318.t
258	301	352	206, 256, 301, 352	1751	ESMERALDINE B	FK#02k#FK01751	str#ndf#sne0318.t
256	301	352	206, 256, 301, 352	1751	ESMERALDINE B	FK#02k#FK01751	str#ndf#sne0318.t
258	301	350	206, 258, 293, 342	1751	ESMERALDINE B	FK#02k#FK01751	str#ndf#sne0318.t
258	301	352	206, 258, 293, 342	1751	ESMERALDINE B	FK#02k#FK01751	str#ndf#sne0318.t
256	301	352	206, 258, 293, 342	1751	ESMERALDINE B	FK#02k#FK01751	str#ndf#sne0318.t
258	301	350	216, 258, 306, 350	1751	ESMERALDINE B	FK#02k#FK01751	str#ndf#sne0318.t
256	301	350	216, 258, 306, 350	1751	ESMERALDINE B	FK#02k#FK01751	str#ndf#sne0318.t
258	301	352	216, 258, 306, 350	1751	ESMERALDINE B	FK#02k#FK01751	str#ndf#sne0318.t
256	301	352	216, 258, 306, 350	1751	ESMERALDINE B	FK#02k#FK01751	str#ndf#sne0318.t
256	300	352	230, 256, 273, 280	2126	7,8-DIDEOXYGRK	FK#03k#FK02126	
256	300	352	230, 273, 280, 300	2126	7,8-DIDEOXYGRK	FK#03k#FK02126	
258	302	353	258, 302, 353, 420	2560	LAGUNAMYCIN	FK#03k#FK02560	str#nln#snl0025.ti
258	300	353	258, 302, 353, 420	2560	LAGUNAMYCIN	FK#03k#FK02560	str#nln#snl0025.ti
258	302	352	258, 302, 353, 420	2560	LAGUNAMYCIN	FK#03k#FK02560	str#nln#snl0025.ti
258	300	352	258, 302, 353, 420	2560	LAGUNAMYCIN	FK#03k#FK02560	str#nln#snl0025.ti
258	302	353	258, 300, 352, 419	2560	LAGUNAMYCIN	FK#03k#FK02560	str#nln#snl0025.ti
258	300	353	258, 300, 352, 419	2560	LAGUNAMYCIN	FK#03k#FK02560	str#nln#snl0025.ti
258	302	352	258, 300, 352, 419	2560	LAGUNAMYCIN	FK#03k#FK02560	str#nln#snl0025.ti
258	300	352	258, 300, 352, 419	2560	LAGUNAMYCIN	FK#03k#FK02560	str#nln#snl0025.ti
258	302	353	233, 264, 284, 352	2560	LAGUNAMYCIN	FK#03k#FK02560	str#nln#snl0025.ti
258	300	353	233, 264, 284, 352	2560	LAGUNAMYCIN	FK#03k#FK02560	str#nln#snl0025.ti
258	302	352	233, 264, 284, 352	2560	LAGUNAMYCIN	FK#03k#FK02560	str#nln#snl0025.ti
258	300	352	233, 264, 284, 352	2560	LAGUNAMYCIN	FK#03k#FK02560	str#nln#snl0025.ti
255	305	355	255, 305, 355	4007	PRISTINAMYCIN	FK#05k#FK04007	str#05k#4007.tif
255	302	355	255, 305, 355	4007	PRISTINAMYCIN	FK#05k#FK04007	str#05k#4007.tif
257	300	350	225, 300, 416	4300	RIFAMYCIN P	FK#05k#FK04300	str#05k#4300.tif
257	300	350	224, 257, 297, 350	4300	RIFAMYCIN P	FK#05k#FK04300	str#05k#4300.tif
257	300	350	225, 300, 416	4301	RIFAMYCIN Q	FK#05k#FK04301	str#05k#4301.tif
257	300	350	224, 257, 297, 350	4301	RIFAMYCIN Q	FK#05k#FK04301	str#05k#4301.tif
255	300	353	214, 236, 255, 278	4628	STEFFIMYCIN	FK#05k#FK04628	str#05k#4628.tif
255	300	353	214, 236, 255, 278	4628	STEFFIMYCIN	FK#05k#FK04628	str#05k#4628.tif
255	300	353	227, 263, 353, 528	4628	STEFFIMYCIN	FK#05k#FK04628	str#05k#4628.tif
258	304	351	223, 272, 304.5	9935	CURVULARIN	FK#10k#FK09935	str#10k#9935.tif
258	304.5	351	223, 272, 304.5	9935	CURVULARIN	FK#10k#FK09935	str#10k#9935.tif
258	304	351	223.5, 231.5, 271.5	9935	CURVULARIN	FK#10k#FK09935	str#10k#9935.tif
258	304.5	351	223.5, 231.5, 271.5	9935	CURVULARIN	FK#10k#FK09935	str#10k#9935.tif
258	304	351	233, 258, 328, 351	9935	CURVULARIN	FK#10k#FK09935	str#10k#9935.tif
258	304.5	351	233, 258, 328, 351	9935	CURVULARIN	FK#10k#FK09935	str#10k#9935.tif
258	304	351	223, 229, 272, 304	9935	CURVULARIN	FK#10k#FK09935	str#10k#9935.tif
258	304.5	351	223, 229, 272, 304	9935	CURVULARIN	FK#10k#FK09935	str#10k#9935.tif
256	304	355	231, 256, 273, 304	11321	PHYSICION ANTH	FK#12k#FK11321	str#nop#snp0487.

(d) Search title with a single UV peak and the number of carbon atoms

Category : Combined search (UV peak and Carbon)

Contents : UV spectrum and Formula

1. Select the second row from the bottom.
2. Click the button (Fig. 15).
3. Enter the ranges of a single UV peak and carbon atoms (Fig. 16).
4. Twenty-six titles are shown with the selected contents (Fig. 17).

Fig. 15

fMENU : フォーム			
UMEZAWA DB 2005A		Search Menu	Close ACCESS
Category	Click	Search terms	Contents
Title		Title	Reference and Structure
		Compound name	Producer
		Compound name	Reference
		Compound name	Patent
Producer		Genus and species	Producer
Formula		Carbon	MW and Formula
		C, H, N and O	MW and Formula
Relative MW		MW	MW and Formula
UV absorption		One peak	Only one peak
		Two peaks	More than one UV peak
		Three peaks	More than two UV peaks
		One peak	All peaks containing the target
Combination		C and MW	MW and Formula
		One UV peak and C	Only one UV peak and C
		One UV peak and MW	Only one UV peak and MW

Contents are given in a table and hyperlinked to data sheets and chemical structures, if available.

Fig. 16

The figure shows four dialog boxes titled "パラメータの入力" (Parameter Input) with "OK" buttons highlighted in red. Each dialog has a text input field and a "キャンセル" (Cancel) button.

- Top-left: "UV peak: lower limit ?" with input field containing "255".
- Top-right: "UV peak: upper limit ?" with input field containing "260".
- Bottom-left: "Carbon: lower limit ?" with input field containing "25".
- Bottom-right: "Carbon: upper limit ?" with input field containing "26".

Fig. 17

Abs	C	Abs peak string	ID05A	Title	FK	Structure
260		25 260		265 ADENOMYCIN	FK#01k#FK00265	str#naa#sna0144.tif
255		26 255, 268, 490, 513		298 AKROBOMYCIN	FK#01k#FK00298	str#naa#sna0249.tif
255		26 251, 265, 518, 555		298 AKROBOMYCIN	FK#01k#FK00298	str#naa#sna0249.tif
257		25 329		393 AMICETIN B	FK#01k#FK00393	str#01k#393.tif
257		25 249, 321		393 AMICETIN B	FK#01k#FK00393	str#01k#393.tif
257		25 257, 311.5		393 AMICETIN B	FK#01k#FK00393	str#01k#393.tif
256		26 236, 256, 293, 464	1061	13-DEOXYCARM	FK#02k#FK01061	str#02k#1061.tif
256		26 512, 529	1061	13-DEOXYCARM	FK#02k#FK01061	str#02k#1061.tif
255		26 236, 255, 462, 478	1064	CARMINOMYCIN	FK#02k#FK01064	str#nbc#snc0115.tif
255		26 234, 255, 292, 492	1064	CARMINOMYCIN	FK#02k#FK01064	str#nbc#snc0115.tif
255		26 204, 242, 255, 339	1425	CYTOSAMINOMY	FK#02k#FK01425	str#nbc#snc0918.tif
258		26 520	1468	4-O-DEMETHYL-	FK#02k#FK01468	str#02k#1468.tif
258		26 228, 258, 290, 430	1468	4-O-DEMETHYL-	FK#02k#FK01468	str#02k#1468.tif
258		26 520	1469	4-O-DEMETHYL-	FK#02k#FK01469	str#02k#1469.tif
258		26 228, 258, 290, 430	1469	4-O-DEMETHYL-	FK#02k#FK01469	str#02k#1469.tif
258		26 228, 258, 290, 430	1470	4-O-DEMETHYL-	FK#02k#FK01470	str#02k#1470.tif
258		26 228, 258, 290, 430	1579	4-O-DEMETHYL-	FK#02k#FK01579	str#02k#1579.tif
255		25 315, 362, 378, 484	2122	GRISEORHODIN	FK#03k#FK02122	str#ngk#sng0327.tif
255		25 231, 255, 316, 360	2122	GRISEORHODIN	FK#03k#FK02122	str#ngk#sng0327.tif
256		25 230, 256, 273, 280	2126	7,8-DIDEOXYGRI	FK#03k#FK02126	
256		25 230, 273, 280, 300	2126	7,8-DIDEOXYGRI	FK#03k#FK02126	
260		26 230, 260, 275, 312	2127	8-METHOXYGRIE	FK#03k#FK02127	str#03k#2127.tif
260		26 271, 298, 391, 541	2127	8-METHOXYGRIE	FK#03k#FK02127	str#03k#2127.tif
260		26 231, 260, 275, 310	2127	8-METHOXYGRIE	FK#03k#FK02127	str#03k#2127.tif
260		25 223, 260, 315, 355	2129	GRISEORHODIN I	FK#03k#FK02129	str#ngk#sng0330.tif
260		26 260, 269, 287, 393	2681	BETA-LIPOMYCII	FK#03k#FK02681	
260		26 260, 269, 287, 399	2681	BETA-LIPOMYCII	FK#03k#FK02681	
260		26 260, 270, 300, 438	2681	BETA-LIPOMYCII	FK#03k#FK02681	
260		26 263, 272, 304, 461	2681	BETA-LIPOMYCII	FK#03k#FK02681	
260		26 261, 269, 301, 453	2681	BETA-LIPOMYCII	FK#03k#FK02681	
260		26 304, 450	2681	BETA-LIPOMYCII	FK#03k#FK02681	
260		26 212, 260	3016	MOLDICIDIN	FK#04k#FK03016	
255		25 202, 289, 299, 360	3188	NAPHTHOMEVAL	FK#04k#FK03188	str#nln#snn0050.tif
255		25 209, 255, 292, 377	3188	NAPHTHOMEVAL	FK#04k#FK03188	str#nln#snn0050.tif
260		25 205, 251, 270, 295	3209	NAPYRADIOMYC	FK#04k#FK03209	str#04k#3209.tif
260		25 205, 250, 270, 359	3209	NAPYRADIOMYC	FK#04k#FK03209	str#04k#3209.tif
260		25 204, 251, 269, 298	3209	NAPYRADIOMYC	FK#04k#FK03209	str#04k#3209.tif
260		25 204, 260, 303, 387	3209	NAPYRADIOMYC	FK#04k#FK03209	str#04k#3209.tif
260		25 204, 250, 269, 352	3209	NAPYRADIOMYC	FK#04k#FK03209	str#04k#3209.tif
260		25 208, 263, 298, 385	3209	NAPYRADIOMYC	FK#04k#FK03209	str#04k#3209.tif
259		25 204, 252, 270, 300	3211	NAPYRADIOMYC	FK#04k#FK03211	str#04k#3211.tif
260		25 204, 252, 270, 300	3211	NAPYRADIOMYC	FK#04k#FK03211	str#04k#3211.tif
259		25 204, 251, 270, 305	3211	NAPYRADIOMYC	FK#04k#FK03211	str#04k#3211.tif
260		25 204, 251, 270, 305	3211	NAPYRADIOMYC	FK#04k#FK03211	str#04k#3211.tif
259		25 206, 245, 260, 296	3211	NAPYRADIOMYC	FK#04k#FK03211	str#04k#3211.tif
260		25 206, 245, 260, 296	3211	NAPYRADIOMYC	FK#04k#FK03211	str#04k#3211.tif
259		25 202, 251, 270, 300	3211	NAPYRADIOMYC	FK#04k#FK03211	str#04k#3211.tif
260		25 202, 251, 270, 300	3211	NAPYRADIOMYC	FK#04k#FK03211	str#04k#3211.tif
259		25 202, 251, 270, 305	3211	NAPYRADIOMYC	FK#04k#FK03211	str#04k#3211.tif
260		25 202, 251, 270, 305	3211	NAPYRADIOMYC	FK#04k#FK03211	str#04k#3211.tif
259		25 203, 245, 259, 299	3211	NAPYRADIOMYC	FK#04k#FK03211	str#04k#3211.tif
260		25 203, 245, 259, 299	3211	NAPYRADIOMYC	FK#04k#FK03211	str#04k#3211.tif
256		25 206, 220, 256, 280	3212	NAPYRADIOMYC	FK#04k#FK03212	str#04k#3212.tif
256		25 208, 220, 256, 311	3212	NAPYRADIOMYC	FK#04k#FK03212	str#04k#3212.tif
256		25 209, 241, 272, 309	3212	NAPYRADIOMYC	FK#04k#FK03212	str#04k#3212.tif
259		25 206, 271, 340	3216	NAPYRADIOMYC	FK#04k#FK03216	str#04k#3216.tif
259		25 208, 272, 340	3216	NAPYRADIOMYC	FK#04k#FK03216	str#04k#3216.tif
259		25 209, 259, 311, 404	3216	NAPYRADIOMYC	FK#04k#FK03216	str#04k#3216.tif
255		26 205, 235, 254, 293	3558	OXAUNOMYCIN	FK#04k#FK03558	str#nop#sno0206.tif
255		26 209, 240, 296, 563	3558	OXAUNOMYCIN	FK#04k#FK03558	str#nop#sno0206.tif
255		26 206, 235, 255, 293	3558	OXAUNOMYCIN	FK#04k#FK03558	str#nop#sno0206.tif
257		25 257, 311.5	3902	PLICACETIN	FK#04k#FK03902	str#nop#sno0618.tif
257		25 329	3902	PLICACETIN	FK#04k#FK03902	str#nop#sno0618.tif
257		25 249, 321	3902	PLICACETIN	FK#04k#FK03902	str#nop#sno0618.tif

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