

A new generation database of microbial products

# UMEZAWA DATABASE

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Menu especially optimized for efficient identification of microbial products

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Category	Click	Search terms	Contents
Title		Title	Datasheet 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		MW and C	MW and Formula
		C and One UV peak	C and One of UV peak(s)
		MW and One UV peak	MW and One of UV peak(s)

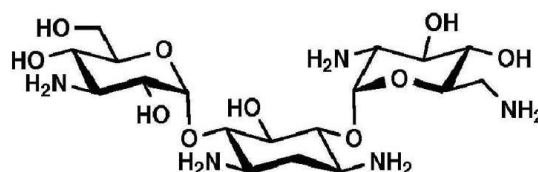
Contents are given in a table and hyperlinked to data sheets and chemical structures, if available.

```

ID: : 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 : Streptoaloteichus 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, 187-83 (1961)↓
           J. ANTIBIOT. A17, 189-93 (1964)↓
Patent : Org. Lett. 6, 585-8 (2004) (regioselective glycosylation)↓
         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↓
    
```

ID069	Title	FK	Structure
2471	3'-DIDEOXY-3'-N-METHYL-4'-O-METHYLKANAMYCIN B	FK038.FF102471.tct	str\03k\2471.tif
2472	3'-DIDEOXY-3'-N-METHYL-6'-N-METHYLKANAMYCIN B	FK038.FF102472.tct	str\03k\2472.tif
2473	4'-ALPHA-D-GLUCOPYRANOSYL KANAMYCIN B	FK038.FF102473.tct	str\03k\2473.tif
2474	3'-N-METHYLKANAMYCIN B	FK038.FF102474.tct	str\03k\2474.tif
2475	4'-O-METHYL-3'-N-METHYLKANAMYCIN B	FK038.FF102475.tct	str\03k\2475.tif
2476	KANAMYCIN C	FK038.FF102476.tct	str\03k\2476.tif
2477	3'-DEOXYKANAMYCIN C	FK038.FF102477.tct	str\03k\2477.tif
2456	KANAGAWAMYCIN	FK038.FF102456.tct	str\03k\2456.tif
2455	KANAMYCIN	FK038.FF102455.tct	str\03k\2455.tif
2457	5-DEOXYKANAMYCIN	FK038.FF102457.tct	str\03k\2457.tif
2458	2-HYDROXY-6'-DEAMINOKANAMYCIN	FK038.FF102458.tct	str\03k\2458.tif
2459	1-N-METHYL-5'-DEAMINOKANAMYCIN	FK038.FF102459.tct	str\03k\2459.tif
2460	KANAMYCIN A	FK038.FF102460.tct	str\03k\2460.tif
2461	3'-DEOXY-4'-O-METHYL-3'-N-METHYLKANAMYCIN A	FK038.FF102461.tct	str\03k\2461.tif
2462	4'-DEOHYDRO-3'-DIDEOXY-4'-O-METHYL-3'-N-METHYLKANAMYCIN A	FK038.FF102462.tct	str\03k\2462.tif
2463	3'-N-METHYLKANAMYCIN A	FK038.FF102463.tct	str\03k\2463.tif
2464	4'-O-METHYL-3'-N-METHYLKANAMYCIN A	FK038.FF102464.tct	str\03k\2464.tif
2465	KANAMYCIN B	FK038.FF102465.tct	str\03k\2465.tif
2466	3'-DEOXY-3'-N-METHYLKANAMYCIN B	FK038.FF102466.tct	str\03k\2466.tif
2467	3'-DEOXY-4'-O-METHYL-3'-N-METHYLKANAMYCIN B	FK038.FF102467.tct	str\03k\2467.tif
2468	4'-DEOHYDRO-3'-DIDEOXY-3'-N-METHYLKANAMYCIN B	FK038.FF102468.tct	str\03k\2468.tif
2469	4'-DEOHYDRO-3'-DIDEOXY-4'-O-METHYL-3'-N-METHYLKANAMYCIN B	FK038.FF102469.tct	str\03k\2469.tif
2470	3'-DIDEOXY-3'-N-METHYLKANAMYCIN B	FK038.FF102470.tct	str\03k\2470.tif
17867	takanasene A	FK018.FF117867.tct	str\18k\17867.tif
17868	takanasene B	FK018.FF117868.tct	str\18k\17868.tif
17869	takanasene C	FK018.FF117869.tct	str\18k\17869.tif

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



For more information, E-mail us at [info @ bioasso.org](mailto:info@bioasso.org)

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