

PATENTS

OGBI Ref	Title	Country/ exploitation	Patent Date	Patent Number	Inventors
1	Diagnostic Method for Diseases having an Arthritic Component	Monsanto	1987	US Patent No 4,659,659	Dwek, R.A. Rademacher T.W
2	Isolation of Unreduced Oligosaccharides	Monsanto/OGS	1988	US Patent No 4,736,022	Rademacher, T.W Dwek, R.A.
3	Tissue Plasminogen Activator from Normal Human Colon Cells	Monsanto	1988	US Patent No 4,751,084	Feder, J Tolbert, W.R. Rademacher, T.W. Parekh, R.B. Dwek, R.A.
4	Protein Glycosylation Assay	Searle		Int. Pub. No.WO89/04490	Sumar N. Bodman, K.B Hay, F.C. Roitt,I.M. Parekh, R..B. Rademacher T.W. Dwek, R.A.
5	Isolation of Unreduced Oligosaccharides	Monsanto	1988	US Patent No 4,719,294	Rademacher. T.W. Dwek, R.A.
6	Tissue Plasminogen Activator Oligosaccharide Normal Human Colon Cells	Monsanto	1989	US Patent No 4,851,517	Feder, J Tolbert, W.R. Rademacher, T.W. Parekh, R.B. Dwek, R.A.
7.	Method of Inhibiting Virus	Monsanto	1989	US Patent No 4,849,430	Fleet, G.W.J. Rademacher, T.W. Dwek, R.A.
8.	Tissue Plasminogen Activator from Normal Human Colon Cells	Monsanto	1990	US Patent No 4,927,630	Feder, J. Howard, S.C. Wittwer A.J. Rademacher, T.W Parekh , R.B. Dwek, R.A.
9.	Method of Treating Herpes Viruses	Monsanto	1990	US Patent No 4,957, 926	Jacob. G.S. Tyms, A.S. Rademacher, T.W. Dwek, R.A.
10	Method of Inhibiting Virus	Monsanto	1991	US Patent No 5,043,416	Fleet, GW.J. Rademacher T.W Dwek, R.A.
11	Method of Inhibiting Virus	Monsanto	1991	US Patent No 4,999,360	Fleet, GW.J. Rademacher T.W Dwek, R.A.
12	Phosphorylated Glycosidase Inhibitor Prodrugs	Monsanto	1991	US Patent No 5,043,273	Scudder, P.R. Dwek, R.A. Rademacher, T.W. Jacob G.S.
13	Immunosuppressive Glycoprotein	Monsanto	1992	US Patent No 5,109,116	Arkwright, P.D. Dwek, R.A. Redman,W.G. Rook G.A.W. Rademacher T.W.
14	Oligosaccharide Sequencing	Monsanto/OGS	1992	US Patent No 5,100,778	Rademacher. T.W. Wormald, M.R. Parekh, R.B. Edge, C.J Dwek R.A.

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15	Method of Inhibiting virus	Monsanto	1992	US patent no 5,089,520	Fleet G.W.J. Rademacher. T.W. Dwek, R.A.
16	Compound N-Butyl-Deoxynojirimycin-6-Phosphate	Monsanto	1992	US Patent No 5,103,008	Scudder, P.R. Dwek, R.A. Rademacher T.W. Jacob G.S.
17	Method of Producing Synthetic N-linked Glycoconjugates	Monsanto	1993	US Patent No 5,212,298	Rademacher, T.W. Manger, I.D Wong, S. Dwek, R.A.
18	Use of Oligosaccharides For Treatment of Arthritis	Monsanto/OGS	1992	US Patent No 5,164,374	Rademacher, T.W. Dwek, R.A.
19	Method for Producing Immuno-suppressive Agents	Monsanto	1993	US Patent No 5,198,538	Arkwright P.D. Dwek, R.A. Redman C.W.G Rook G.A.W Rademacher, T.w.
20	Deoxygalactonojirimycin Derivatives	Monsanto/OGS	1996	U Patent No 5,580,884	Platt F.M. Neises, G.R Dwek R.A. Butters, T.D.
21	Method of Inhibiting Glycolipid Synthesis	Monsanto/OGS	1995	US Patent No 5,472,969	Platt, F.M. Neises, G.R. Dwek, R.A Butters T.D.
22	Method of Inhibiting Glycolipid Synthesis	Monsanto	1996	US Patent No 5,525,616	Platt, F.M Neises G.R Dwek, R.A. Butters T.D.
23	Immunosuppressive Agents	Monsanto	1994	US Patent No 5,294,700	Arkwright. P.D Dwek R.A. Redman C.W.G. Rook, G.A.W Rademacher T.W.
24	Use of N-Alkyl Derivatives of 1,5-Dideoxy-1,5-Imino -D-Glucitol for the Treatment of Hepatitis B Virus Infections	Searle	1995	Int. Pub. No WO95/19172	Block T.M. Blumberg B.S. Dwek R.A.
25	Method for Producing Synthetic N-Linked Glycoconjugates	Monsanto/OGS	1994	US Patent No 5,280,113	Rademacher T.W. Manger I.D. Wong S. Dwek R.A.
26	Method of Treating Cholera	Monsanto/OGS	1995	US Patent No 5,399,567	Platt F.M. Neises, G.R. Dwek, R.A. Butters T.D
27	Method of Inhibiting Glycolipid Synthesis	Monsanto/OGS	1997	US Patent No 5,656,641	Platt F.M. Neises G.R. Dwek, R.A. Butters T.D.
28	Use of the N-n-Butyl Derivative of Deoxynojirimycin in the Manufacture of a Medicament Inhibiting HIV-Virus	Monsanto	1998	European Patent No. 324328	Dwek, R.A. Fleet G.W.J. Rademacher T.W.

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29	Method for Treatment of CNS-Involved Lysosomal Storage Diseases	Monsanto/OGS	1998	US Patent No 5,798,366	Platt F.M. Neises G.r Dwek R.A Butters T.D.
30	Method of Inhibiting Hepatitis B Virus	Monsanto/Searle	2000	US Patent No 6,037,351	Block T.M. Blumberg B.S Dwek R.A.
31	Method for Carbohydrate Engineering of Glycoproteins	Monsanto/Searle	2000	US Patent No 6,069,235	Davis S.J. Butters T.D. Karlsson G.B/ Platt F.M. Bryant M.L. Dwek, R.A.
32	Method of Inhibiting Surface Expression of Glycolipid Receptors for Bacteria	OGS/Monsanto/ Searle	1998	US Patent No 5,786,369	Platt f.M. Neises G.R Dwek R.A. Butters T.D
33	Method of Treating Tay-Sachs Disease	Monsanto	1998	US Patent No 5,801,185	Platt F.M. Neises G.r. Dwek R.A. Butters T.D
34	Deoxygalactonojirimycin Derivatives	Monsanto/OGS	1998	US Patent No 5,786,368	Platt F.M. Neises G.R. Dwek R.A. Butters T.D.
35	Deoxygalactonojirimycin Derivative	Monsanto/OGS	18.09.01	US Patent No 6,291,657 B1	Platt, F.M Neises, G.R. Dwek, R.A. Butters, T.D
36	Long Chain N-Alkyl Compounds and Oxa-derivatives Thereof and use as antiviral compositions	Synergy	15.02.01	European Patent EP1210082 B1	Zitzmann, N Butters T.D. Platt, F.M. Carrouee S. Jacob G.S. Picker D.H. Fleet G.W.J. Dwek, R.A. Durantel D. Mehta, A. Block T.M.
37	Inhibition of Glycolipid Biosynthesis	Univ of Oxford	15.10.02	US Patent No: 6,465,488	Butters, T.D Platt, F Dwek, R.A.
38	Use of long-chain N-Alkyl derivatives of Deoxynojirimycin for the manufacture of a medicament for the treatment of glycolipid storage diseases	Monsanto/Univ of Oxford	30.10.02	European Patent EP1137416	Jacob, G.S Platt, F. M Butters, T.D Dwek, R. A
39	Inhibition of Membrane-Associated Viral Replication	USA	15.10.02	US Patent No 6,465,487	Block, T.M. Dwek, R.A. Blumberg, B.S. Mehta, A. Platt, F Butters, T.D. Zitzmann, N.

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40	Inhibition of Glycolipid Biosynthesis	Univ of Oxford	09.12.03	US Patent No 6,660,749 B2	Butters, T.D. Platt, F.M. Dwek, R.A
41	Method for treatment of Glycolipid storage diseases	G D Searle	26.08.03	US Patent No 6,610,703 B1	Jacob, G.S. Platt F.M. Butters, T.D. Dwek, R.A
42	Use of N-Substituted-1-5 Dideoxy-1.5 Imino-D-Glucitol Compounds for Treating Hepatitis Virus Infections	UT	26.10.04	US Patent No 6,809,083 B1	Dwek, R.A. Block T.M. Jacob. G.S.
43	Methods for treating Hepatitis Virus Infections with 1-5 Dideoxy-1.5 Imino-D-Glucitol Compounds in Combination Therapy	Synergy	10.12.04	US Patent No 6,689,759 B1	Jacob G.S Block T.M. Dwek, R.A.
44	Method for treatment of CNS-involved lysosomal storage diseases(This European application refers to original US patent no. 29)	Pharmacia	09.06.04	European Patent EP1007043B1	Platt, F.M Neises, G.R. Dwek, R.A. Butters, T.D
45	Combination Drug Therapy for Glycolipid Storage Diseases	Monsanto	24.02.04	US Patent No 6,696,059 B2	Jacob G.S. Dwek, R.A.
46	Tyrosinase Mutant and methods of use thereof	UT	21.04.05	European Patent EP1689430 B1	Petrescu S. Popescu, I Dwek, R.A.
47	Methods for identifying iminosugar derivatives that inhibit HCV P7 ION channel activity	UT	14.08.07	US Patent No 7,256,005 B2	Zitzmann, N. Dwek, R.A. Jeffs R. Mahon, P.
48	Therapeutic compositions and methods of treating glycolipid storage related disorders	UT	25.03.08	US Patent No 7,348,000 B2	Dwek, R.A Butters T.D. Jeyakumar, M. Platt, F.M. Priestman, D.
49	A non hormonal approach to male contraception	UT	18.09.09	European Patent EP1524976 B1	Van D Spoel,A. Jeyakumar, M. Butters, T.D. Dwek, R.A. Platt, F.M
50	Glycosylation markers for cancer diagnosing and monitoring	NIBRT	22.2.11	US7892752 B2	Dwek, R.A Abd Hamid, U.M De Llorens R Peracaula R. Robertson,,J Radcliffe C.M. Royle, L. Rudd P.M. Zitzmann, N..

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51	Therapeutic Compositions and Methods of Treating Glycolipid Storage Related Disorders	Synergy	3.10.02	US2002/0142985 A1	Dwek, R.A Butters, T.D
52	Use of iminosugar derivatives to inhibit ION channel activity	US	10.06.04	US2004/0110795 A1	Zitzmann, N Dwek, R.A.
53	Reversible infertility in male mice following oral administration of alkylated imino sugars: A non-hormonal approach to male contraception	UT	29.01.04	US0019082A1	Van D Spoel,A. Jeyakumar, M. Butters, T.D. Dwek, R.A. Platt, F.M.
54	Tyrosinase Mutant and methods of use thereof	US	30.06.05	US0142143 A1	Petrescu,S. Popescu,I Dwek., R.A.
55	Use of N-substituted imino sugars for appetite suppression	UT	02.02.06	US 0025449 A1	Priestman, D.A van der Spoel, A.C. Butters, T.D. Dwek, R.A. Platt, F.M.
56	High throughput glycan analysis for diagnosing and monitoring Rheumatoid Arthritis and other autoimmune diseases	NIBRT	30.11.06	US0269979 A1	Dwek R.A Royle, L. Rudd P.M
57	Automated strategy for identifying physiological glycosylation marker(s)	NIBRT	30.11.06	US0270048 A1	Dwek, R.A. Royle, R. Zitzmann, N. Radcliffe, C.M. Rudd, P.M.
58	Mannose Immunogens for HIV-1	UT	09.11.06	US0251680 A1	Dwek, R.A. Rudd. P.M. Scanlan, C.N.
59	Deoxynojirimycin nitrophenyl & D-Arabinitol Analgoues and methods of using	US	29.11.07	US0275998 A1	Butters, T.D Dwek,.R.A Fleet, G.W.J
60	Liposome Treatment of viral infections.	UT	12.06.08	US0138351 A1	Dwek, R.A. Nichita-Branza, N Petrescu S. Pollock S. Rudd, P.M Scanlan, C. Zitzmann, N.

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61	Combination therapy for Treatment of Viral Infections	UT	05.06.08	US0131398 A1	Jeffs, R Gotzkowsky, K.S. Dwek, R.A. Zitzmann, N.
62	Clinical diagnosis of hepatic fibrosis using a novel panel of human serum protein biomarkers	UT	10.04.08	US0085526 A1	Gangadharan, B Zitzmann, N Dwek, R.A.
63	Sugar Immunogens	UT	31.07.08	US0181913 A1	Dunlop, D.C Dwek, R.A. Mansab, F M H Scanlan, C Tully S.E. Wentworth, P. Zitzmann, N
64	Iminosugar treatment of tumors	UT	13.11.08	US0280972 A1	Dwek, R.A Buzgariu, W Hirtopceanu A Moriarty, R.M. Negroiu G. Nichita, N. Zdrentu, L Zitzmann, N.
65	Endoplasmic Reticulum targeting Liposomes	UT	08.10.08	US2009/0252785 A1	Pollock, S. Dwek, R.A. Zitzmann, N.
66	Use of N-Substituted-1,5- Dideoxy-1,5- Imino-D-Glucitol Compounds for Treating Hepatitis Virus Infections	UT	20.08.98	WO 98/35685	Dwek, R.A Block, T.M. Jacob, G.S
67	Inhibition of Membrane-Associated Viral Replication	UT	17.06.99	WO 99/29321	Block, T.M. Dwek, R.A. Blumberg, B.S. Mehta, A. Platt, F. Butters, T.D. Zitzmann, N.
68	Alternative Strategies for Anti-Tumor Therapy	US	28.09.00	WO 00/56334	Seyfreid T Smith P Platt F M
69	Combination of Glucosylceramide Synthesis inhibitors and Glycolipid Degarding Enzyme in Therapy	OGS	20.10.00	WO 00/62779	Butters T D Dwek R Jeyakumar M Platt F Priestman D

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70	Long Chain N-Alkyl Compounds and Oxa-derivatives Thereof	Synergy	15.02.01	WO 01/10429A2	Zitzmann, N Butters, T.D. Platt, F.M. Carrouee, S Jacob, G.S. Picker, D.H. Fleet, G.W.J Dwek, R.A.
71	Use of Catanospermine, Substituted-Catanospermine Compounds and N-Alkylated Pyrrolidones for Treating Hepatitis Virus Infections	UT	02.08.01	WO 01/54692 A1	Jacob, G/S. Jordan, R. Block, T.M. Zitzmann N Dwek, R.A.
72	Use of Glucosylceramide Synthesis Inhibitors in Brain Cancer Therapy	OGS	20.01.01	WO 01/68093 A1	Platt F Seyfreid T Smith P
73	Pharmaceutically Active Piperidine Derivatives	Actelion	17.07.02	WO 02/055498 A1	Butters T D Dwek R A Fleet G Platt F Orchard OGS
74	A non hormonal approach to male contraception	UT	18.09.03	WO 03/075916A1	Van D Spoel,A. Jeyakumar, M. Butters, T.D. Dwek, R.A. Platt, F.M.
75	Use of N-substituted imino sugars for appetite suppression	UT	06.10.05	WO2005/092334 A2	Priestman, D.A van der Spoel, A.C. Butters, T.D. Dwek, R.A. Platt, F.M.
76	Tyrosinase Mutant and methods of use thereof	UT	21.04.05	WO2005/035723 A2	Petrescu, S Popescu, I Dwek., R.A.
77	High throughput glycan analysis for diagnosing and monitoring Rheumatoid Arthritis and other autoimmune diseases	NIBRT	02.11.06	WO2006/114661 A1	Dwek R.A Royle, L. Rudd P.M.
78	Glycosylation markers for cancer diagnosing and monitoring	NIBRT	02.11.06	WO2006/114659 A1	Dwek, R.A Abd Hamid, U.M De Llorens R Peracaula R. Robertson,,J Radcliffe C.M. Royle, L. Rudd P.M. Zitzmann, N..

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79	Automated Glycofingerprinting Strategy	NIBRT	02.11.06	WO2006/114663 A1	Dwek, R.A. Royle, R. Zitzmann, N. Radcliffe, C.M. Rudd, P.M.
80	Deoxynojirimycin nitrophenyl & D-Arabinitol Analgues and methods of using	US	06.12.07	WO140184 A2	Butters, T.D Dwek, R.A Fleet, G.W.J
81	Method for treatment of CNS-involved lysosomal storage diseases		16.07.08	WO98/30219	Platt, F.M. Neises, G.R. Dwek, R.A. Butters, T.D.
82	Glycosylation markers for Cancer and Chronic Inflammation		29.01.09	WO09/013538 A2	Rudd, P.M. Arnold J Salдова R Royle L Hamid Umi Marshida Abd Dwek, R.A. Peracula R De Llorens R
83	Cholesterol level lowering liposomes	US	March 09	Attny dkt no 080618-0638	Pollock, S Dwek R.A. Zitzmann, N.
84	Iminosugars and methods for treating Bunyaviral and Topaviral Diseases	UT		Attny dkt no 080618-0678 Serial no 61/186.614	Ramstedt, U Klose, B Zitzmann, N Dwek, R.A. Butters, T.D.
85	Iminosugars and methods of treating viral diseases	UT	04.09.09	Attny dkt no 080618-0676	Ramstedt, U Klose, B Zitzmann, N Dwek, R.A. Butters, T.D.
86	Methods of treating Poxviral infections	UT	04.09.09 10.3.2011	Attny dkt no 080618-8704 Int Pub No WO2011/028775 A1	Ramstedt, U Klose, B Zitzmann, N Dwek, R.A. Butters, T.D.
87	Methods of treating Orthomyxoviral infections	UT	04.09.09	Attny dkt no 080618-0641	Ramstedt, U Klose, B Zitzmann, N Dwek, R.A. Butters, T.D.
88	Iminosugars and methods of treating Filoviral Diseases	UT	04.09.09	Attny dkt no 080618-0677	Ramstedt, U Klose, B Zitzmann, N Dwek, R.A. Butters, T.D.
89	Clinical diagnosis of hepatic fibrosis using a novel panel of low abundant human plasma protein biomarkers	UT	13.05.10	Attny Dk No 080618-0760(0763)	Gangadharan B Zitzmann, N Dwek, R.A.