

**PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶: C07D 311/78, 311/04, 311/74, 311/76	A1	(11) International Publication Number: WO 96/28438 (43) International Publication Date: 19 September 1996 (19.09.96)
(21) International Application Number: PCT/US96/03134 (22) International Filing Date: 8 March 1996 (08.03.96) (30) Priority Data: 08/401,630 9 March 1995 (09.03.95) US (71) Applicant: NAXCOR [US/US]; Suite 220, 4600 Bohannon Drive, Menlo Park, CA 94025 (US) (72) Inventors: WOOD, Michael, L.; 440 Cesano Court #210, Palo Alto, CA 94306 (US). CHENG, Peter, C.; 1162 Robalo Court, San Jose, CA 95132 (US). THEIN, Douglas, Y.; 701 College Avenue, Menlo Park, CA 94025 (US). ALBAGLI, David; Apartment 206, 1470 Sandhill Road, Palo Alto, CA 94304 (US). (74) Agents: NEELEY, Richard, L. et al.; Cooley Godward Castro Huddleson & Tatum, Five Palo Alto Square, 3000 El Camino Real, Palo Alto, CA 94306-2155 (US).	(81) Designated States: AU, CA, CN, FI, JP, NO, SG, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>	
(54) Title: NON-NUCLEOSIDIC COUMARIN DERIVATIVES AS POLYNUCLEOTIDE-CROSS-LINKING AGENTS		
(57) Abstract Novel coumarin derivatives comprising a coumarin moiety linked to a non-nucleosidic backbone moiety are disclosed. The resulting molecules are typically used as photoactivate cross-linking groups when incorporated into polynucleotides as replacements for one or more of the complementary nucleoside bases present in probes used in procedures involving nucleic acid hybridization reactions.		