



## Invesco Approved Broker List

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| Name Of Entity   | Legal Entity Identifier (LEI) |
|--|-------------------------------|
| ABG SUNDAL COLLIER ASA                                       | 2138005DRCU66B8BNY04          |
| ABN AMRO BANK N.V.   | BFXS5XCH7N0Y05NIXW11          |
| AHORRO CORPORACION FINANCIERA SV SA                          | 95980020140005375141          |
| ARCTIC SECURITIES AS   | 5967007LIEEXZX4RV572          |
| ARDEN PARTNERS PLC   | 213800KRNTZFOY1DA806          |
| AUERBACH GRAYSON & COMPANY LLC                               | 254900THN5ANAH8X1V30          |
| AUTONOMOUS RESEARCH LLP                                      | 213800LBM6PT85IGM996          |
| BAADER HELVEA LIMITED  | 529900DXD7EPV64JOG51          |
| B. METZLER SEEL. SOHN & CO. KOMMANDITGESELLSCHAFT AUF AKTIEN | 529900IOG1ENLW4SUU53          |
| BANCO BILBAO VIZCAYA ARGENTARIA SOCIEDAD ANONIMA             | K8MS7FD7N5Z2WQ51AZ71          |
| BANCO PORTUGUÊS DE INVESTIMENTO, S.A                         | 213800NGLJLXOSRPK774          |
| BANCO SANTANDER S.A.   | 5493006QMFDDMYWIAM13          |
| BANK GUTMANN AKTIENGESELLSCHAFT                              | 549300KFLI6V2PUY8522          |
| BANK OF AMERICA NATIONAL ASSOCIATION                         | B4TYDEB6GKMZO031MB27          |
| BANK OF CHINA INTERNATIONAL (UK) LIMITED                     | 213800DXECSXBR79QK58          |
| BANK OF MONTREAL   | NQQ6HPCNCCU6TUTQYE16          |
| BANK OF NEW YORK MELLON SA/NV (THE)                          | MMYX0N4ZEZ13Z4XCG897          |
| BANK OF NEW YORK MELLON (THE)                                | HPFHU0OQ28E4N0NFVK49          |
| BANK OF NEW YORK MELLON CORPORATION (THE)                    | WFLPEPC7FZXENRZV188           |
| BANK DEGROOF PETERCAM SA                                     | 549300NBLHT5Z7ZV1241          |

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| BANK VONTOBEL EUROPE AG                           | 529900KKJ9XOK6WO4426                 |
| BARCLAYS BANK PLC                                 | G5GSEF7VJP5I7OUK5573                 |
| BARCLAYS CAPITAL SECURITIES LIMITED               | K9WDOH4D2PYBSLSOB484                 |
| BAYERISCHE LANDESBANK                             | VDYMYTQGZZ6DU0912C88                 |
| BGC Brokers L.P. (Formerly MINT Partners)         | ZWNFQ48RUL8VJZ2AIC12                 |
| BMO CAPITAL MARKETS CORP.                         | RUCOQBLBRPRCU4W1NE59                 |
| BNL AZIONI EUROPA DIVIDENDO                       | 2138004NTXO72SWNK997                 |
| BNP PARIBAS                                       | ROMUWSFPJ8MPRO8K5P83                 |
| BNP PARIBAS SECURITIES SERVICES SCA               | 549300WCGB70D06XZ54                  |
| BNP PARIBAS UK LIMITED                            | CGKPTUL0E6IWC1NOM75                  |
| BNP PARIBAS EMISSIONS-UND HANDELSGESELLSCHAFT MBH | 549300TS3U4JKMR1B479                 |
| BTIG LIMITED                                      | 213800YZXS7U4QZP6441                 |
| CANACCORD GENUITY LIMITED                         | ZBU7V5V5NIMN4ILRFC23                 |
| CANADIAN IMPERIAL BANK OF COMMERCE                | 2IGI19DL77OX0HC3ZE78                 |
| CANTOR FITZGERALD EUROPE                          | 549300KM6VUHPKQLQX53                 |
| CARNEGIE INVESTMENT BANK AB                       | 529900BR5NZNQZEVQ417                 |
| CENKOS SECURITIES PLC                             | 213800ALVRC52VN3I821                 |
| CHARLES STANLEY & CO. LIMITED                     | 213800R62RPGBBLQRT21                 |
| CITIBANK EUROPE PUBLIC LIMITED COMPANY            | N1FBEDJ5J41VKZLO2475                 |
| CITIBANK JAPAN LIMITED                            | DCQFH37O1JGEEWG3HN05                 |
| CITIGROUP GLOBAL MARKETS LIMITED                  | XKZZ2JZF41MRHTR1V493                 |
| CITIBANK NATIONAL ASSOCIATION                     | E57ODZWZ7FF32TWEFA76                 |
| CLARKSONS PLATOU SECURITIES AS                    | 5967007LIEEXZA40G44                  |
| CLSA (UK)   | 213800VZMAGVIU2IJA72                 |
| CM-CIC MARKET SOLUTIONS, INC.                     | 2549003DAILATLCBDJ67                 |
| COMMERZBANK AKTIENGESELLSCHAFT                    | 851WYGNLUQLFZBSYGB56                 |

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| COOPERATIEVE RABOBANK U.A.   | DG3RU1DBUFHT4ZF9WN62                 |
| CREDIT AGRICOLE CIB FINANCIAL SOLUTIONS (Formally Trading as Calyon) | 969500HUHIE5GG515X42                 |
| CREDIT AGRICOLE CORPORATE AND INVESTMENT BANK                        | 1VUV7VQFKUOQSJ21A208                 |
| CREDIT SUISSE INTERNATIONAL  | E58DKGMJYYYYJLN8C3868                |
| CREDIT SUISSE SECURITIES (EUROPE) LIMITED                            | DL6FFRRLF74S01HE2M14                 |
| DAIWA CAPITAL MARKETS EUROPE LIMITED                                 | MIM2K09LFYD4IB163W58                 |
| DANSKE BANK A/S  | MAES062Z21O4RZ2U7M96                 |
| DBS BANK LTD   | ATUEL7OJR5057F2PV266                 |
| DEKABANK DEUTSCHE GIROZENTRALE                                       | 0W2PZJM8XOY22M4GG883                 |
| DEUTSCHE BANK AKTIENGESELLSCHAFT                                     | 7LTFWZYICNSX8D621K86                 |
| DNB BANK ASA   | 549300GKFG0RYRRQ1414                 |
| DZ BANK AG DEUTSCHE ZENTRAL-GENOSSENSCHAFTSBANK FRANKFURT AM MAIN    | 529900HNOAA1KXQJUQ27                 |
| ERSTE GROUP BANK AG  | PQOH26KWDF7CG10L6792                 |
| EXANE LIMITED  | 213800SH9MTNZQJKP526                 |
| EXCELLENCE NESSUAH BROKERAGE SERVICES LTD                            | 21380017T2YZN2UGRB97                 |
| FIDENTIIS EQUITIES, S.V., S.A.                                       | 95980020140006002537                 |
| FINANCIAL BROKERAGE GROUP (EFG HERMES HOLDING S.A.E)                 | 558600U9YMGSR4KAHP73                 |
| FIRST ABU DHABI BANK (PJSC)  | 2138002Y3WMK6RZS8H90                 |
| FİNANS YATIRIM MENKUL DEĞERLER A.Ş.                                  | 789000VGVFLH43JQL90                  |
| FLOW TRADERS B.V.  | 549300CLJ19XDH12XV51                 |
| GFI SECURITIES LIMITED   | GUNTJCA81C7IHNBGI392                 |
| GOLDMAN SACHS INTERNATIONAL  | W22LROWP2IHZNBB6K528                 |
| GOLDMAN SACHS JAPAN CO., LTD   | 5NGPZ37H6T4XS5MO5N09                 |
| GOODBODY STOCKBROKERS  | 635400IL71G3SXS7OE16                 |
| GREEN STREET ADVISORS (UK) LIMITED                                   | 549300K06R9ZUC3UEN80                 |

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|---|--------------------------------------|
| GUY BUTLER LIMITED                                      | 213800AG2H8MB5FGJ538                 |
| HAITONG SECURITIES (UK) LIMITED                         | 213800VIUO4728ORI866                 |
| HAMBURGER SPARKASSE AG                                  | 529900F5KTT6ZUPA8N40                 |
| HAUCK & AUFHAEUSER PRIVATBANKIERS<br>AKTIENGESELLSCHAFT | 529900OOZP78CYPYF471                 |
| HSBC BANK PLC   | MP6I5ZYZBEU3UXPYFY54                 |
| HSBC BANK USA NATIONAL ASSOCIATION                      | 1IE8VN30JCEQV1H4R804                 |
| HSBC HOLDINGS PLC                                       | MLU0ZO3ML4LN2LL2TL39                 |
| HYPO VORARLBERG BANK AG                                 | NS54DT27LJMDYN1YFP35                 |
| ING BANK N.V.   | 3TK20IVIUJ8J3ZU0QE75                 |
| INSTINET EUROPE LIMITED                                 | 213800MXAKR2LA1VBM44                 |
| INTERMONTE SIM S.P.A.                                   | YMUU1WGHJKORF9E36I98                 |
| INVESCO FUND MANAGERS LIMITED                           | 5493006UKCFMY99W2779                 |
| INVESTEC BANK PLC                                       | 8450VF8TSMH0T6D4K848                 |
| INVESTMENT TECHNOLOGY GROUP LIMITED                     | 213800EEC95PRUCEUP63                 |
| J M FINN & CO LTD                                       | 2138005952US1BK73L88                 |
| J&E DAVY  | 63540061DPCBNMCGRY22                 |
| J.P. MORGAN AG  | 549300ZK53CNGEEI6A29                 |
| J.P. MORGAN SECURITIES PLC                              | K6Q0W1PS1L104IQL9C32                 |
| JANE STREET FINANCIAL LIMITED                           | 549300ZHEHX8M31RP142                 |
| JEFFERIES INTERNATIONAL LIMITED                         | S5THZMDUJCTQZBTRVI98                 |
| JOH BERENBERG, GOSSLER & CO KG                          | 529900UC2OD7II24Z667                 |
| JONESTRADING INTERNATIONAL LIMITED                      | 213800DIYIKDWRCFOC55                 |
| JPMORGAN CHASE BANK, NATIONAL ASSOCIATION               | 7H6GLXDRUGQFU57RNE97                 |
| KBC SECURITIES  | 2138005SP78ELT822P61                 |
| KCG EUROPE LIMITED                                      | 549300346EFUPFCXJT79                 |
| KEMPEN & CO N.V.  | 2O302V7616D3HTVSXO60                 |

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| KEPLER CHEUVREUX  | 9695005EOZG9X8IRJD84                 |
| LANDESBANK BADEN - WURTTENBERG                                | B81CK4ESI35472RHJ606                 |
| LIBERUM CAPITAL LIMITED                                       | 213800U6KUF87S1KCC03                 |
| LIQUIDNET EUROPE LIMITED                                      | 213800ZIRB79BE5XQM68                 |
| LLOYDS BANK PLC   | H7FNTJ4851HG0EXQ1Z70                 |
| LOUIS CAPITAL MARKETS UK LLP                                  | 213800KL2QZT2GQMQQ34                 |
| M.M WARBURG & CO HYPOTHEKENBANK<br>AKTIENGESELLSCHAFT         | 5299006GIC8WWC5LYZ79                 |
| MACQUARIE BANK LIMITED  | 4ZHCHI4KYZG2WVRT8631                 |
| MACQUARIE CAPITAL (EUROPE) LIMITED                            | 549300GX4FPMFF91RJ37                 |
| MAINFIRST BANK AKTIENGESELLSCHAFT                             | 529900MC68RTGHKI4F05                 |
| MARKETAXESS CAPITAL LIMITED                                   | 529900CTXON8S5AOCB70                 |
| MEDIOBANCA BANCA DI CREDITO FINANZIARIO SOCIETA PER<br>AZIONI | PSNL19R2RXX5U3QWHI44                 |
| MERRILL LYNCH INTERNATIONAL                                   | GGDZP1UYGU9STUHRDP48                 |
| MIRABAUD SECURITIES LLP                                       | 2138008Z5T61L1ZDWWV35                |
| MUFG SECURITIES EMEA PLC                                      | U7M81AY481YLIOR75625                 |
| MITSUBISHI UFJ TRUST INTERNATIONAL LIMITED                    | 213800ZXJI3S6VKHTX31                 |
| MIZUHO BANK LTD   | RB0PEZSDGCO3JS6CEU02                 |
| MIZUHO INTERNATIONAL PLC                                      | 213800HZ54TG54H2KV03                 |
| MORGAN STANLEY CAPITAL SERVICES LLC                           | I7331LVCZKQKX5T7XV54                 |
| MORGAN STANLEY & CO. INTERNATIONAL PLC                        | 4PQUHN3JPFGFNF3BB653                 |
| NATIONAL BANK FINANCIAL INC.                                  | 549300D83GR71RNG0065                 |
| NATIXIS SA  | KX1WK48MPD4Y2NCUIZ63                 |
| NATWEST MARKETS LTD   | RR3QWICWWIPCS8A4S074                 |
| NOMURA GLOBAL FINANCIAL PRODUCTS INC                          | OZ3VO5H2G7GRS05BHJ91                 |
| NOMURA INTERNATIONAL PLC                                      | DGQCSV2PHVF7I2743539                 |
| NORDEA BANK AB  | 6SCPQ280AIY8EP3XFW53                 |

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|---|--------------------------------------|
| NORTHERN TRUST COMPANY (THE)                              | 6PTKHDJ8HDUF78PFWH30                 |
| NPLUS1 SINGER CAPITAL MARKETS LIMITED                     | 213800ITO7QMNQ9SFG53                 |
| NUMIS SECURITIES LIMITED                                  | 213800P3F4RT97WDSX47                 |
| OBERBANK AG   | RRUN0TCQ1K2JDV7MXO75                 |
| ODDO PROACTIF EUROPE PEA                                  | 969500HMBY4JEBFSC20                  |
| OLIVETREE FINANCIAL LIMITED                               | 213800WJG33TNCVZK61                  |
| PANMURE GORDON (UK) LIMITED                               | 213800GM8RB7MS4L3Z24                 |
| PEEL HUNT LLP   | 5493007DWN0R4YBM4C84                 |
| PETERCAM SA/NV  | 549300WF9ZMUZOEHYU67                 |
| QATAR NATIONAL BANK (Q.P.S.C.)                            | 549300FFSRVBS0SQXY75                 |
| RAIFFEISEN BANK INTERNATIONAL AG                          | 9ZHRYM6F437SQJ6OUG95                 |
| RAIFFEISENLANDESBANK OBEROSTERREICH<br>AKTIENGESELLSCHAFT | I6SS27Q1Q3385V753S50                 |
| RBC EUROPE LIMITED  | TXDSU46SXBWIGJ8G8E98                 |
| REDBURN (EUROPE) LIMITED                                  | 213800PKEIQZQXQCOJ04                 |
| RENAISSANCE SECURITIES (CYPRUS) LIMITED                   | IK9CLH4U15AXJVV22968                 |
| ROBERT W. BAIRD & CO. INCORPORATED                        | 549300772UJAHRD6LO53                 |
| ROYAL BANK OF CANADA                                      | ES7IP3U3RHIGC71XBU11                 |
| SANFORD C. BERNSTEIN LIMITED                              | 54930049G8WQ50OUSD19                 |
| SANTANDER INVESTMENT BOLSA SOCIEDAD DE VALORES SA         | 549300VXHFB1JDHP7C26                 |
| SBERBANK CIB (UK) LIMITED                                 | 549300BKWHXYEXPV0328                 |
| SC LOWY PRIMARY INVESTMENTS, LTD.                         | 254900XKJ48TIF06Y478                 |
| SCOTIABANK EUROPE PLC                                     | 5G6NVP4WADOI32VUUB17                 |
| SEAPORT GROUP EUROPE LLP (THE)                            | 2138003MLD2U3GEMHS70                 |
| SEMPER CONTANTIA INVEST GMBH                              | 529900V7GI37S96T5I03                 |
| SEMPER CONSTANTIA PRIVATBANK AKTIENGESELLSCHAFT           | 529900MZNQDC3A3WSZ72                 |
| SHORE CAPITAL MARKETS LIMITED                             | 213800SL93AE1F9QY139                 |

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| SKANDINAVISKA ENSKILDA BANKEN AB                   | F3JS33DEI6XQ4ZBPTN86                 |
| SMBC NIKKO CAPITAL MARKETS LIMITED                 | G7WFA3G3MT5YHH8CHG81                 |
| SMITH AND WILLIAMSON INVESTMENT SERVICES LIMITED   | LAFEQBG3V1MID89I5N78                 |
| SOCIETE GENERALE SA                                | O2RNE8IBXP4R0TD8PU41                 |
| STANDARD CHARTERED BANK                            | RILFO74KP1CM8P6PCT96                 |
| STATE STREET EUROPE LIMITED                        | I1NPP4LGGOKPRU3MI467                 |
| STATE STREET BANK INTERNATIONAL GMBH               | ZMHGNT7ZPKZ3UFZ8EO46                 |
| STATE STREET TRUST AND BANKING COMPANY, LIMITED    | 549300FYVZ9Q6HREFP74                 |
| STIFEL NICOLAUS EUROPE LIMITED                     | 213800BVEFNZ8UYPKL03                 |
| SUMITOMO MITSUI BANKING CORPORATION EUROPE LIMITED | NT7C58H5HPZYKZDPOO64                 |
| SUSQUEHANNA INTERNATIONAL SECURITIES LIMITED       | 635400IAV22ZOU1NFS89                 |
| SVENSKA HANDELSBANKEN AB (publ)                    | NHBDILHZTYCNBV5UYZ31                 |
| TAVIRA SECURITIES LIMITED                          | 213800KDMRJLS2KX8Z18                 |
| TORONTO-DOMINION BANK (THE)                        | PT3QB789TSUIDF371261                 |
| UBS AG   | BFM8T61CT2L1QCEMIK50                 |
| UBS LIMITED  | REYPIEJN7XZHSUI0N355                 |
| UBS SWITZERLAND AG                                 | 549300WOIFUSNYH0FL22                 |
| UNICREDIT BANK AG                                  | 2ZCNRR8UK83OBTEK2170                 |
| UNICREDIT BANK AUSRIA A.S                          | D1HEB8VEU6D9M8ZUXG17                 |
| UNLU MENKUL DEGERLER A.S.                          | 7890000CQSASR7KQJSJ59                |
| VALCOURT SA  | 213800QCVQCX88M5U770                 |
| VIRTU FINANCIAL IRELAND LIMITED                    | 549300XG5LFGN1IGYC71                 |
| VTB CAPITAL PLC                                    | 74OG4PIVJ3TT4O5NSN12                 |
| WELLS FARGO SECURITIES INTERNATIONAL LIMITED       | BWS7DNS2Z4NPKPNYKL75                 |
| WIENER PRIVATBANK SE                               | 529900VYY1MRNR59PN57                 |
| WINTERFLOOD SECURITIES LIMITED                     | 8BRUP6V1DX3PIG2R0745                 |
| WOOD & COMPANY FINANCIAL SERVICES, A.S             | 549300UYJKOXE3HB8L79                 |