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| <b>Product Name</b>      | : Go 6976                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>          | : Go-6976; Go6976                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Cat No.</b>           | : M11490                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>CAS Number</b>        | : 136194-77-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Formula</b> | : C <sub>24</sub> H <sub>18</sub> N <sub>4</sub> O                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Formula Weight</b>    | : 378.43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Chemical Name</b>     | : 5,6,7,13-Tetrahydro-13-methyl-5-oxo-12H-indolo[2,3-a]pyrrolo[3,4-c]carbazole-12-propanenitrile                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>       | <p>A potent, selective protein kinase C (PKC) inhibitor that selectively inhibits PKC<math>\alpha</math> and PKC<math>\beta</math>1 with IC<sub>50</sub> of 2.3 and 6.2 nM, respectively; shows no effect on the kinase activity of PKC<math>\delta</math>, -<math>\epsilon</math> and -<math>\zeta</math> (IC<sub>50</sub>&gt;3 <math>\mu</math>M); also inhibits JAK2, FLT3 and mutant FLT3 with significant activity in primary acute myeloid leukaemia cells; inhibits HIV-1 proviral induction from latent/low-level-producing infectious states, inhibits signalling, survival and proliferation in cells expressing the leukaemia-associated TEL-JAK2 fusion protein and the MPD-associated JAK2 V617F mutant. HIV Infection Discontinued</p> |
| <b>Pathway</b>           | : Angiogenesis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Target</b>            | : PKC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Receptor</b>          | : PKC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Solubility</b>        | : —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>SMILES</b>            | : <chem>N#CCCN(C1=C2C(CNC3=O)=C3C4=C1N(C)C5=C4C=CC=C5)C6=C2C=CC=C6</chem>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>           | : (-20°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Stability</b>         | : $\geq$ 2 years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Reference</b>         | :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

1. Martiny-Baron G, et al. J Biol Chem. 1993 May 5;268(13):9194-7. 2. Qatsha KA, et al. Proc Natl Acad Sci U S A. 1993 May 15;90(10):4674-8. 3. Ptzold S, et al. Antiviral Res. 1993 Dec;22(4):273-83. 4. Grandage VL, et al. Br J Haematol. 2006 Nov;135(3):303-16.