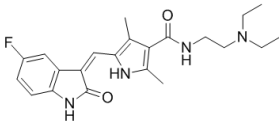


|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>      | : Sunitinib                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>          | : SU 11248;SU-11248                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Cat No.</b>           | : M15028                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>CAS Number</b>        | : 557795-19-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Formula</b> | : C22H27FN4O2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Formula Weight</b>    | : 398.47                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Chemical Name</b>     | : 1H-Pyrrole-3-carboxamide, N-[2-(diethylamino)ethyl]-5-[(Z)-(5-fluoro-1,2-dihydro-2-oxo-3H-indol-3-ylidene)methyl]-2,4-dimethyl-                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>       |  <p>A multi-targeted RTK inhibitor that targets VEGFR2 (Flk-1) and PDGFR<math>\beta</math> with <math>K_i</math> of 8 nM and 9 nM respectively; displays &gt;10-fold higher selectivity over FGFR-1, EGFR, Cdk2, Met, IGFR-1, Abl, and Src; also inhibits phosphorylation of wild-type FLT3, FLT3-ITD, and FLT3-Asp835 with IC<sub>50</sub> of 250 nM, 50 nM, and 30 nM; regresses FLT3-ITD tumors in the subcutaneous tumor xenograft model. Gastric Cancer Approved</p> |
| <b>Pathway</b>           | : Angiogenesis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Target</b>            | : PDGFR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Receptor</b>          | : c-Kit;FLT3;PDGFR $\beta$ ;VEGFR2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Solubility</b>        | : DMSO: 25 mg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>SMILES</b>            | : <chem>CCN(CC)CCNC(=O)C1=C(NC(=C1C)/C=C\2/C3=C(C=CC(=C3)F)NC2=O)C</chem>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>           | : (-20°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Stability</b>         | : $\geq 2$ years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Reference</b>         | :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

1. Sun L, et al. J Med Chem. 2003 Mar 27;46(7):1116-9. | 2. O'Farrell AM, et al. Blood. 2003 May 1;101(9):3597-605. | 3. Mendel DB, et al. Clin Cancer Res. 2003 Jan;9(1):327-37.