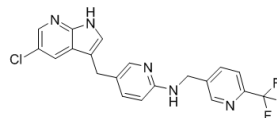


|                          |                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>      | : Pexidartinib                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>          | : PLX-3397; PLX3397                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Cat No.</b>           | : M10138                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>CAS Number</b>        | : 1029044-16-3                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Molecular Formula</b> | : C <sub>20</sub> H <sub>15</sub> ClF <sub>3</sub> N <sub>5</sub>                                                                                                                                                                                                                                                                                                                                                |
| <b>Formula Weight</b>    | : 417.81                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Chemical Name</b>     | : 3-Pyridinemethanamine, N-[5-[(5-chloro-1H-pyrrolo[2,3-b]pyridin-3-yl)methyl]-2-pyridinyl]-6-(trifluoromethyl)-                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>       | <p>An oral-active, BBB-penetrant, potent multi-targeted RTK inhibitor of CSF-1R, Kit, and Flt3 with IC<sub>50</sub> of 20 nM, 10 nM and 160 nM, respectively; inhibits the CSF1-dependent proliferation with IC<sub>50</sub> of 0.44 μM, 0.22 μM and 0.1 μM in M-NFS-60, Bac1.2F5 and M-07e cells, respectively; significantly inhibits PTX-induced tumor infiltration in mice. Skin Cancer Phase 2 Clinical</p> |
| <b>Pathway</b>           | : Tyrosine Kinase                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Target</b>            | : CSF1R                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Receptor</b>          | : CSF-1R; FLT3; Kit                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Solubility</b>        | : DMSO: ≥ 30 mg/mL                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>SMILES</b>            | : <chem>FC(F)(F)C1=NC=C(CNC2=NC=C(CC3=CNC4=NC=C(Cl)C=C34)C=C2)C=C1</chem>                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>           | : (-20°C)                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Stability</b>         | : ≥ 2 years                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Reference</b>         | :                                                                                                                                                                                                                                                                                                                                                                                                                |



1. DeNardo DG, et al. Cancer Discov. 2011 Jun;1(1):54-67. | 2. Coniglio SJ, et al. Mol Med. 2012 May 9;18:519-27. | 3. Chitu V, et al. Blood. 2012 Oct 11;120(15):3126-35.