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| <b>Product Name</b>      | : BPTU                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>          | : BPTU; BMS-646786; BMS 646786                                                                                                                                                                                                                                                                                                              |
| <b>Cat No.</b>           | : M17632                                                                                                                                                                                                                                                                                                                                    |
| <b>CAS Number</b>        | : 870544-59-5                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Formula</b> | : C <sub>23</sub> H <sub>22</sub> F <sub>3</sub> N <sub>3</sub> O <sub>3</sub>                                                                                                                                                                                                                                                              |
| <b>Formula Weight</b>    | : 445.42                                                                                                                                                                                                                                                                                                                                    |
| <b>Chemical Name</b>     | : 1-[2-(2-tert-Butylphenoxy)pyridin-3-yl]-3-[4-(trifluoromethoxy)phenyl]urea                                                                                                                                                                                                                                                                |
| <b>Description</b>       | Allosteric antagonist of P2Y <sub>1</sub> (EC <sub>50</sub> = 0.06-0.3 μM). Non-nucleotide ligand. Binds receptor outside of the helical bundle.<br>: Blocks inhibition of spontaneous contraction of rat and mouse colon induced by electrical field stimulation, nicotine and P2Y agonists. Antithrombotic; reduces platelet aggregation. |
| <b>Pathway</b>           | : Others                                                                                                                                                                                                                                                                                                                                    |
| <b>Target</b>            | : Other Targets                                                                                                                                                                                                                                                                                                                             |
| <b>Receptor</b>          | : P2Y <sub>1</sub>                                                                                                                                                                                                                                                                                                                          |
| <b>Solubility</b>        | : DMSO : ≥ 33.3 mg/mL. 74.76 mM; H <sub>2</sub> O : < 0.1 mg/mL                                                                                                                                                                                                                                                                             |
| <b>SMILES</b>            | : <chem>CC(C)(C)C1=CC=CC=C1OC2=C(C=CC=N2)NC(=O)NC3=CC=C(C=C3)OC(F)(F)F</chem>                                                                                                                                                                                                                                                               |
| <b>Storage</b>           | : (-20°C)                                                                                                                                                                                                                                                                                                                                   |
| <b>Stability</b>         | : ≥ 2 years                                                                                                                                                                                                                                                                                                                                 |
| <b>Reference</b>         | :                                                                                                                                                                                                                                                                                                                                           |

1. Abrahamsen B, et al. J Neurosci. 2013 Jan 16;33(3):1068-87.

