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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Name</b>      | : Maraviroc                                                                                                                                             |
| <b>Synonyms</b>          | : Celsentri; Selzentry; UK 427857                                                                                                                       |
| <b>Cat No.</b>           | : M14297                                                                                                                                                |
| <b>CAS Number</b>        | : 376348-65-1                                                                                                                                           |
| <b>Molecular Formula</b> | : C <sub>29</sub> H <sub>41</sub> F <sub>2</sub> N <sub>5</sub> O                                                                                       |
| <b>Formula Weight</b>    | : 513.67                                                                                                                                                |
| <b>Chemical Name</b>     | : 4,4-difluoro-N-[(1S)-3-[(1S,5R)-3-(3-methyl-5-propan-2-yl-1,2,4-triazol-4-yl)-8-azabicyclo[3.2.1]octan-8-yl]-1-phenylpropyl]cyclohexane-1-carboxamide |
| <b>Description</b>       | : Maraviroc is a CCR5 antagonist for MIP-1 $\alpha$ , MIP-1 $\beta$ and RANTES with IC <sub>50</sub> of 3.3 nM, 7.2 nM and 5.2 nM, respectively.        |
| <b>Pathway</b>           | : Autophagy                                                                                                                                             |
| <b>Target</b>            | : CCR                                                                                                                                                   |
| <b>Receptor</b>          | : MIP-1 $\alpha$ ; MIP-1 $\beta$ ; RANTES                                                                                                               |
| <b>Solubility</b>        | : Ethanol: 100 mg/mL (194.67 mM); DMSO: 100 mg/mL (194.67 mM)                                                                                           |
| <b>SMILES</b>            | : <chem>CC1=NN=C(N1C2CC3CCC(C2)N3CCC(C4=CC=CC=C4)NC(=O)C5CCC(CC5)(F)F)C(C)C</chem>                                                                      |
| <b>Storage</b>           | : (-20°C)                                                                                                                                               |
| <b>Stability</b>         | : $\geq 2$ years                                                                                                                                        |
| <b>Reference</b>         | :                                                                                                                                                       |

1.Dorr P, et al. Antimicrob Agents ChemOthers. 2005, 49(11), 4721-4732.

