

## Product Datasheet

### DPM-1001 trihydrochloride (orb1745053)

|                        |                                                                                                                                                                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>     | DPM-1001 trihydrochloride, an analog of the specific protein-tyrosine phosphatase (PTP1B) inhibitor MSI-1436, is a potent, specific, non-competitive, orally active inhibitor of PTP1B with an IC <sub>50</sub> of 100 nM, exhibiting anti-diabetic properties. |
| <b>Storage</b>         | -20°C                                                                                                                                                                                                                                                           |
| <b>Note</b>            | For research use only                                                                                                                                                                                                                                           |
| <b>Formula</b>         | C <sub>35</sub> H <sub>60</sub> Cl <sub>3</sub> N <sub>3</sub> O <sub>3</sub>                                                                                                                                                                                   |
| <b>Purity</b>          | 98.00%                                                                                                                                                                                                                                                          |
| <b>MW</b>              | 677.23                                                                                                                                                                                                                                                          |
| <b>SMILES</b>          | <chem>C[C@@H]([C@H]1CC[C@@H]2[C@]1(C)CC[C@H]3[C@H]2[C@H](O)[C@@H]4[C@]3(C)CC[C@@H](NCCCCNCC5=CC=CC=N5)C4)CCC(OC)=O.Cl.Cl.Cl</chem>                                                                                                                              |
| <b>Expiration Date</b> | 12 months from date of receipt.                                                                                                                                                                                                                                 |

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