

## Product Datasheet

# Lurasidone Inactive Metabolite 14326-d8 (orb2280881)

|                        |   |
|------------------------|---|
| <b>Catalog Number</b>  | orb2280881  |
| <b>Category</b>        | Small Molecules   |
| <b>Description</b>     | Lurasidone Inactive Metabolite 14326-d8 is the deuterated analog of the inactive metabolite 14326 (CAS 186204-33-1). This compound serves as a critical internal standard in LC-MS/MS methods for the quantitative bioanalysis of lurasidone and its metabolites in both in vitro and in vivo pharmacological research. |
| <b>MW</b>              | 516.73  |
| <b>Formula</b>         | C <sub>28</sub> H <sub>28</sub> D <sub>8</sub> N <sub>4</sub> O <sub>3</sub> S  |
| <b>SMILES</b>          | <chem>O=C1N(C[C@H]2[C@H](CN3C([2H])([2H])C([2H])([2H])N(C4=NSC5=C4C=CC=C5)C([2H])([2H])C3([2H])([2H])CCCC2)C([C@]6([H])[C@@](C7)([H])[C@@H](O)C[C@@]7([H])[C@]16[H])=O</chem>   |
| <b>Storage</b>         | -20°C   |
| <b>Note</b>            | For research use only   |
| <b>Expiration Date</b> | 12 months from date of receipt.   |

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)