

## Product Datasheet

### Gefitinib-d6 (orb2299862)

|                        |                                                                                                                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>     | Gefitinib-d6 is a deuterated compound of Gefitinib. Gefitinib has a CAS number of 184475-35-2. Gefitinib is an EGFR tyrosine kinase inhibitor and can inhibit Tyr1173, Tyr992, Tyr1173 and Tyr992 (IC50s: 37/37/26/57 nM). |
| <b>Storage</b>         | -20°C                                                                                                                                                                                                                      |
| <b>Note</b>            | For research use only                                                                                                                                                                                                      |
| <b>Formula</b>         | $C_{22}H_{18}D_6ClFN_4O_3$                                                                                                                                                                                                 |
| <b>Purity</b>          | 98.00%                                                                                                                                                                                                                     |
| <b>MW</b>              | 452.94                                                                                                                                                                                                                     |
| <b>CAS Number</b>      | 1228664-49-0                                                                                                                                                                                                               |
| <b>SMILES</b>          | <chem>C1C2C(=C(N=CN=2)NC2C=CC(F)=C(Cl)C=2)C=C(OC([2H])([2H])C([2H])([2H])C([2H])([2H])N2CCOCC2)C=1OC</chem>                                                                                                                |
| <b>Expiration Date</b> | 12 months from date of receipt.                                                                                                                                                                                            |

#### Biorbyt Ltd.

7 Signet Court, Swann's 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 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

#### Biorbyt LLC.

68 TW Alexander Drive,  
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)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)