

## Product Datasheet

### PBP4-IN-1 (orb3028207)

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>  | orb3028207                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Category</b>        | Small Molecules                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>     | PBP4-IN-1 (Compound 1) is an inhibitor targeting penicillin-binding protein 4 (PBP4) in Staphylococcus aureus. By inhibiting the function of PBP4, PBP4-IN-1 enhances the antibiotic activity against methicillin-resistant Staphylococcus aureus (MRSA) mediated by PBP2a. This compound is used in studies involving osteomyelitis caused by Staphylococcus aureus and in research aimed at reversing PBP4-mediated resistance to $\beta$ -lactam antibiotics. |
| <b>Target</b>          | Antibacterial                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <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 27713-2847  
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)