

# Product Datasheet

## D18 (orb1688646)

<b>Catalog Number</b>	orb1688646
<b>Category</b>	Small Molecules
<b>Description</b>	D18 is a dual TLR7/8 agonist (EC50: 24 nM hTLR7, 10 nM hTLR8) that epigenetically upregulates PD-L1 to potentiate anti-PD-1/PD-L1 therapy. It also serves as a cytotoxic payload for antibody-drug conjugates (ADCs), such as HE-S2, supporting research in immuno-oncology and ADC development [1].
<b>Target</b>	Others,TLR,PD-1/PD-L1
<b>MW</b>	364.49
<b>CAS Number</b>	2230218-36-5
<b>Formula</b>	C <sub>21</sub> H <sub>28</sub> N <sub>6</sub>
<b>SMILES</b>	<chem>N(CCCC)C=1C2=C(C=CC(CC3=CC=C(CN(C)C)C=C3)=N2)N=C(N)N1</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 27713-2847  
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)