

## Product Datasheet

### TLR8 agonist 2 hydrochloride (orb1690876)

<b>Catalog Number</b>	orb1690876
<b>Category</b>	Small Molecules
<b>Description</b>	TLR8 agonist 2 hydrochloride is a potent and selective human TLR8 activator (EC50 = 3 nM) with significantly weaker activity against TLR7 (EC50 = 33.33 μM). This small molecule is a valuable research tool for studying TLR8-mediated immune signaling in vitro and has been utilized in investigations of antiviral and antitumor responses.
<b>Target</b>	TLR,Others
<b>CAS Number</b>	2412937-65-4
<b>Formula</b>	C <sub>16</sub> H <sub>22</sub> N <sub>8</sub> .xHCl
<b>SMILES</b>	<chem>N([C@@](CC=1NC=NN1)(CCCC)C)C=2C3=C(N=C(N)N2)C=NC=C3.Cl</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)