

# Product Datasheet

## 1V209 (orb1299043)

<b>Catalog Number</b>	orb1299043
<b>Category</b>	Small Molecules
<b>Description</b>	1V209 (T7) is a small molecule agonist of Toll-like receptor 7 (TLR7) with demonstrated anti-tumor properties. It is utilized in immunological and oncology research to stimulate innate immune responses, showing activity in both in vitro cellular assays and in vivo tumor model studies.
<b>Target</b>	TLR
<b>Purity</b>	98.53% (May vary between batches)
<b>MW</b>	359.34
<b>Target Areas</b>	TLR
<b>Solubility (25°C)</b>	DMSO:83.33 mg/mL (231.9 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:3.3 mg/mL (9.18 mM)
<b>CAS Number</b>	1062444-54-5
<b>Formula</b>	C <sub>16</sub> H <sub>17</sub> N <sub>5</sub> O <sub>5</sub>
<b>SMILES</b>	COCCOc1nc(N)c2[nH]c(=O)n(Cc3ccc(cc3)C(O)=O)c2n1
<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)