

## Product Datasheet

### Imiquimod (orb1310904)

<b>Catalog Number</b>	orb1310904
<b>Category</b>	Small Molecules
<b>Description</b>	Imiquimod (R 837) is a synthetic TLR7 agonist that functions as an immune response modifier with demonstrated antiviral and antitumor properties. It is widely used in research models of psoriasis and in studies investigating conditions such as viral warts, certain cancers, and COVID-19, utilizing both in vitro and in vivo experimental systems.
<b>Target</b>	SARS-CoV,HSV,TLR,Autophagy
<b>Purity</b>	99.66%
<b>MW</b>	240.30
<b>Target Areas</b>	HSV TLR SARS-CoV Autophagy
<b>Solubility (25°C)</b>	H2O:Insoluble;DMSO:1 mg/mL (4.16 mM)
<b>CAS Number</b>	99011-02-6
<b>Formula</b>	C <sub>14</sub> H <sub>16</sub> N <sub>4</sub>
<b>SMILES</b>	C(C(C)C)N1C=2C=3C(N=C(N)C2N=C1)=CC=CC3
<b>Storage</b>	Powder: -20°C for 3 years   In solvent: -80°C for 1 year   Shipping with blue ice/Shipping at ambient temperature.
<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 | Fax: +1 (415) 651-8558

#### Biorbyt LLC

68 TW Alexander Drive  
Research Triangle Park  
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 | Fax: +1 (415) 651-8558