

## Product Datasheet

### Hoechst 33342 trihydrochloride (orb1306269)

<b>Catalog Number</b>	orb1306269
<b>Category</b>	Small Molecules
<b>Description</b>	Hoechst 33342 trihydrochloride is a cell-permeant nuclear dye that emits blue fluorescence upon binding to DNA. It is widely used for live-cell imaging, cell cycle analysis, and viability assays in both in vitro and in vivo research, such as in stem cell and cancer studies.
<b>Target</b>	Autophagy
<b>Purity</b>	98.73%
<b>MW</b>	561.93
<b>Target Areas</b>	Autophagy
<b>Solubility (25°C)</b>	DMSO:46 mg/mL (81.86 mM);H2O:5.67 mg/mL (10.09 mM)
<b>CAS Number</b>	875756-97-1
<b>Formula</b>	$C_{27}H_{31}Cl_3N_6O$
<b>SMILES</b>	<chem>Cl.Cl.Cl.CCOc1ccc(cc1)-c1nc2ccc(cc2[nH]1)-c1nc2ccc(cc2[nH]1)N1CCN(C)CC1</chem>
<b>Storage</b>	keep away from direct sunlight,keep away from moisture,store under nitrogen,store at low temperature   Powder: -20°C for 3 years   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.

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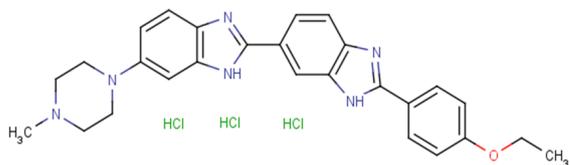
7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

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



Chemical structure of Hoechst 33342 trihydrochloride

**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)6518558)

**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](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)