

Product Datasheet

Hoechst 33258 trihydrochloride (orb1303223)

Catalog Number	orb1303223
Category	Small Molecules
Description	Hoechst 33258 trihydrochloride is a fluorescent benzimidazole derivative that binds preferentially to AT-rich DNA sequences. This property makes it a vital tool for DNA quantification, chromosome staining, and cell cycle analysis in both live and fixed cells for in vitro research, while its anti-mitotic activity is also studied.
Target	Parasite
Purity	99.53% (May vary between batches)
MW	533.9
Target Areas	Parasite
Solubility (25°C)	DMSO:6.58 mg/mL (12.32 mM)
CAS Number	23491-45-4
Formula	$C_{25}H_{24}N_6O \cdot 3HCl$
SMILES	<chem>CN1CCN(c(cc2)cc3c2nc(c4cc5c(N/C(N5)=C6=CC(C=C\6)=O)cc4)[nH]3)CC1.Cl.Cl</chem>
Storage	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

Biorbyt Ltd.

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

Email: info@biorbyt.com, support@biorbyt.com

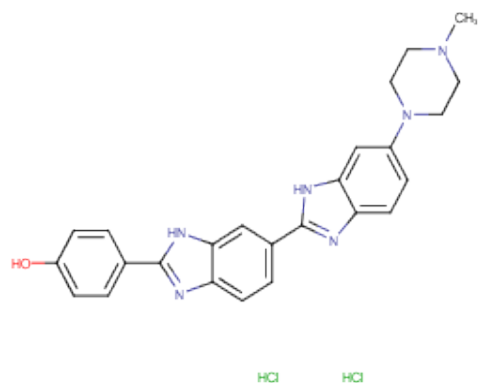
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com

Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558



HCl Chemical structure of Hoechst 33258 trihydrochloride

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

Email: info@biorbyt.com, 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, support@biorbyt.com

Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)