

Product Datasheet

BXI-72 (orb1225567)

Catalog Number	orb1225567
Category	Small Molecules
Description	BXI-72 (NSC334072, Hoechst 33342) is a potent, selective small molecule Bcl-XL inhibitor that targets the BH3 domain of Bcl-XL (Kd=0.9 nM); displays very low binding affinities with Bcl2 (Ki=283 nM), Mcl-1, Bcl-w and Bfl-1/A1 (Ki>1500 nM); potently suppresses lung cancer cell growth (H1299=0.49 uM, A549 IC50=0.68 uM), displays relatively selective cytotoxicity against lung cancer cells compared to normal human bronchial epithelial cells; causes disruption of Bcl-XL/Bak or Bcl-XL/Bax interaction, oligomerization of Bak, and cytochrome c release from mitochondria in cells, BXI-72 exhibits more potent efficacy against human lung cancer than ABT-737 but less degree in platelet reduction in vivo.
Target	Bcl-2
Purity	>98% (HPLC)
MW	489.01
Target Areas	Bcl-2
Solubility (25°C)	In Vitro: DMSO : 6.25 mg/mL (13.81 mM)
CAS Number	23491-52-3
Formula	C ₂₇ H ₂₉ ClN ₆ O
SMILES	CN1CCN(C2=CC=C3C(N=C(C4=CC=C5C(N=C(C6=CC=C(OCC)C=C6)N5)=C4)N3)=C2)CC1.[H]Cl.[H]Cl.[H]Cl
Chemical Name	2'-(4-ethoxyphenyl)-5-(4-methylpiperazin-1-yl)-1H,1'H-2,5'-bibenzo[d]imidazole
Storage	Storage temperature: -20°C. Stability: ≥ 2 years

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

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](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
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)