

Product Name	: YM-155
Synonyms	: YM155;Sepantronium bromide;YM 155
Cat No.	: M15948
CAS Number	: 781661-94-7
Molecular Formula	: C ₂₀ H ₁₉ BrN ₄ O ₃
Formula Weight	: 443.29
Chemical Name	: 1H-Naphth[2,3-d]imidazolium, 4,9-dihydro-1-(2-methoxyethyl)-2-methyl-4,9-dioxo-3-(2-pyrazinylmethyl)-, bromide (1:1)
Description	: A potent, specific survivin inhibitor that inhibits survivin promoter activity with IC ₅₀ of 0.54 nM; does not significantly inhibit SV40 promoter activity (>30 uM); suppresses expression of survivin and induces apoptosis in PC-3 and PPC-1 human HRPC cell lines at 10 nM, without effect on IAP- or Bcl-2-related proteins; induces massive tumor regression in PC-3 tumor mice model (3-10 mg/kg).Blood Cancer Phase 1 Discontinued
Pathway	: Apoptosis
Target	: IAP
Receptor	: Survivin
Solubility	: DMSO: 10.66 mg/mL
SMILES	: <chem>O=C(C1=C2[N+](CCOC)=C(C)N1CC3=NC=CN=C3)C4=C(C=CC=C4)C2=O.[Br-]</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Nakahara T, et al. Cancer Res. 2007 Sep 1;67(17):8014-21. | 2. Iwasa T, et al. Clin Cancer Res. 2008 Oct 15;14(20):6496-504. | 3. Satoh T, et al. Clin Cancer Res. 2009 Jun 1;15(11):3872-80. | 4. Iwasa T, et al. Br J Cancer. 2010 Jun 29;103(1):36-42.

