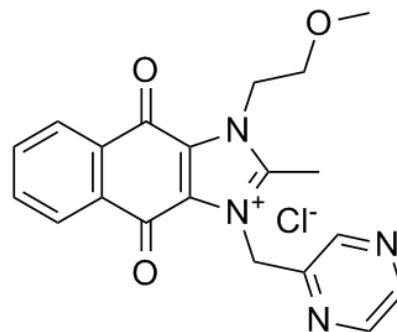


Product Name : YM-155 hydrochloride
Cat. No. : PC-42440
CAS No. : 355406-09-6
Molecular Formula : C₂₀H₁₉ClN₄O₃
Molecular Weight : 398.8429
Target : IAP
Solubility : 10 mM in DMSO



Biological Activity

YM-155 hydrochloride is a potent, specific **survivin** inhibitor that inhibits survivin promoter activity with IC₅₀ of 0.54 nM.

YM-155 does not significantly inhibit SV40 promoter activity (>30 μM).

YM-155 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.

YM-155 induces massive tumor regression in PC-3 tumor mice model (3-10 mg/kg).

References

Nakahara T, et al. *Cancer Res.* 2007 Sep 1;67(17):8014-21.

Iwasa T, et al. *Clin Cancer Res.* 2008 Oct 15;14(20):6496-504.

Satoh T, et al. *Clin Cancer Res.* 2009 Jun 1;15(11):3872-80.

Iwasa T, et al. *Br J Cancer.* 2010 Jun 29;103(1):36-42.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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