



Product Information

Product ID Y4800

CAS No. 781661-94-7

Chemical Name Sepantronium bromide

Synonym YM155, Sepantronium bromide

Formula C₂₀H₁₉N₄O₃Br

Formula Wt. 443.29

Melting Point

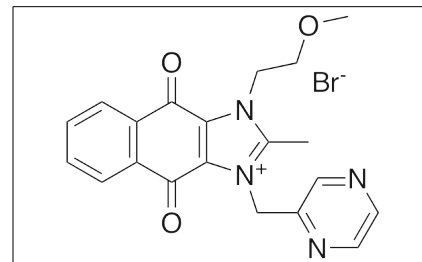
Purity ≥99%

Solubility Water 89 mg/mL (200.77 mM)
DMSO 55 mg/mL (124.07 mM)
Ethanol 6 mg/mL (13.53 mM)

Store Temp -20°C

Ship Temp Ambient

Description YM-155 is an inhibitor of survivin, an inhibitor of apoptosis protein (IAP) that displays anticancer chemotherapeutic activity. YM-155 is currently undergoing clinical trials and shows efficacy in the treatment of prostate cancer. YM-155 induces apoptosis in cellular models of neuroblastoma and inhibits tumor growth in vivo. Additionally, this compound downregulates expression of Mcl-1 and increases activation of caspases 3 and 8, suppressing cell growth in leukemia cells.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
Y4800	1 mg	\$62.50
Y4800	5 mg	\$122.90
Y4800	10 mg	\$197.20
Y4800	25 mg	\$362.60

References Liang H, Zhang L, Xu R, et al. Silencing of survivin using YM155 induces apoptosis and chemosensitization in neuroblastomas cells. *Eur Rev Med Pharmacol Sci*. 2013 Nov;17(21):2909-15. PMID: 24254560.

Feng W, Yoshida A, Ueda T. YM155 induces caspase-8 dependent apoptosis through downregulation of survivin and Mcl-1 in human leukemia cells. *Biochem Biophys Res Commun*. 2013 May 24;435(1):52-7. PMID: 23618862.

Tolcher AW, Quinn DI, Ferrari A, et al. A phase II study of YM155, a novel small-molecule suppressor of survivin, in castration-resistant taxane-pretreated prostate cancer. *Ann Oncol*. 2012 Apr;23(4):968-73. PMID: 21859898.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.