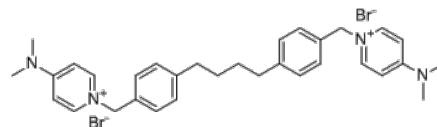


Product Name : MN58b
Cat. No. : PC-60866
CAS No. : 203192-01-2
Molecular Formula : C₃₂H₄₀Br₂N₄
Molecular Weight : 640.508
Target : Choline Kinase (ChoK)
Solubility :



Biological Activity

MN58b is a potent, selective choline kinase α (**ChoK α**) inhibitor with IC₅₀ of 1.4 μ M, >30-fold selectivity over ChoK β and does not affect MAPKs, PI3Ks, and other enzymes involved in the regulation of phospholipid metabolism; demonstrates antiproliferative properties against human tumor-derived cell lines (HT29 IC₅₀=0.5 μ M) and antitumor activity against human tumor xenografts in vivo.

References

- Lacal JC, et al. Mol Cancer Ther. 2015 Jan;14(1):31-9.
Hernández-Alcoceba R, et al. Cancer Res. 1999 Jul 1;59(13):3112-8.
Al-Saffar NM, et al. Cancer Res. 2006 Jan 1;66(1):427-34.
Guma M, et al. Ann Rheum Dis. 2015 Jul;74(7):1399-407.

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

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