

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4164 mL	7.082 mL	14.1639 mL
5 mM	0.2833 mL	1.4164 mL	2.8328 mL
10 mM	0.1416 mL	0.7082 mL	1.4164 mL
50 mM	0.0283 mL	0.1416 mL	0.2833 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Koirala D, et al. A single-molecule platform for investigation of interactions between G-quadruplexes and small-molecule ligands. *Nat Chem*. 2011 Aug 28;3(10):782-7.
- Li C, Yin Z, Xiao R, et al. G-quadruplexes sense natural porphyrin metabolites for regulation of gene transcription and chromatin landscapes. *Genome Biology*. 2022, 23(1): 1-29.
- Wang J, Huang H, Zhao K, et al. G-quadruplex in Hepatitis B Virus pregenomic RNA Promotes its Translation. *Journal of Biological Chemistry*. 2023: 105151.
- Moruno-Manchon JF, et al. The G-quadruplex DNA stabilizing drug pyridostatin promotes DNA damage and downregulates transcription of Brca1 in neurons. *Aging (Albany NY)*. 2017 Sep 12;9(9):1957-1970.
- Rodriguez R, et al. Small-molecule-induced DNA damage identifies alternative DNA structures in human genes. *Nat Chem Biol*. 2012 Feb 5;8(3):301-10.
- Zhang Y, Cheng Y, Luo Q, et al. Distinguishing G-Quadruplexes Stabilizer and Chaperone for c-MYC Promoter G-Quadruplexes through Single-Molecule Manipulation. *Journal of the American Chemical Society*. 2024

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481