

TDRL-X80

Chemical Properties

CAS No. : 292065-64-6
 Formula: C₂₃H₁₅ClN₂O₆
 Molecular Weight: 450.83
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.

Biological Description

Description	TDRL-X80 is a small-molecule inhibitor that selectively targets XPA and directly inhibits its DNA-binding activity. In fluorescence polarization assays, the half-maximal IC ₅₀ of TDRL-X80 for the interaction of XPA with single-stranded DNA, double-stranded DNA, and cisplatin-damaged DNA was approximately 18, 20, and 29 μM, respectively.
Targets(IC50)	DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2181 mL	11.0907 mL	22.1813 mL
5 mM	0.4436 mL	2.2181 mL	4.4363 mL
10 mM	0.2218 mL	1.1091 mL	2.2181 mL
50 mM	0.0444 mL	0.2218 mL	0.4436 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

Tracy M Neher, et al. Identification of novel small molecule inhibitors of the XPA protein using in silico based screening. ACS Chem Biol. 2010 Oct 15;5(10):953-65.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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