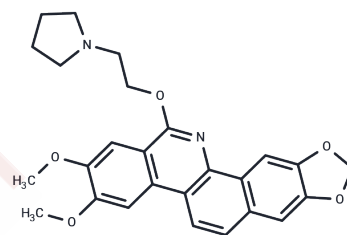


## TDP1 Inhibitor-1

## Chemical Properties

CAS No. :	2248702-80-7
Formula:	C <sub>26</sub> H <sub>26</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	446.49
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	TDP1 Inhibitor-1 is a potent inhibitor of Tyrosyl-DNA Phosphodiesterase 1 (TDP1) with an IC <sub>50</sub> of 7 μM.
Targets(IC <sub>50</sub> )	Others,PDE

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2397 mL	11.1985 mL	22.3969 mL
5 mM	0.4479 mL	2.2397 mL	4.4794 mL
10 mM	0.224 mL	1.1198 mL	2.2397 mL
50 mM	0.0448 mL	0.224 mL	0.4479 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

Zhang XR, et al. Discovery, Synthesis, and Evaluation of Oxynitidine Derivatives as Dual Inhibitors of DNA Topoisomerase IB (TOP1) and Tyrosyl-DNA Phosphodiesterase 1 (TDP1), and Potential Antitumor Agents. J Med Chem. 2018 Nov 21;61(22):9908-9930.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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