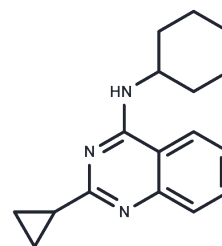


TH1085

## Chemical Properties

CAS No. : 1002801-51-5  
 Formula: C<sub>17</sub>H<sub>21</sub>N<sub>3</sub>  
 Molecular Weight: 267.37  
 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	TH1085 is an enhancer of OGG1. TH1085 stimulates DNA repair and protects cells from the environmental hazard paraquat (PQ).
Targets(IC50)	Others,DNA/RNA Synthesis

## Solubility Information

Solubility	DMSO: 50 mg/mL (187.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7401 mL	18.7007 mL	37.4014 mL
5 mM	0.748 mL	3.7401 mL	7.4803 mL
10 mM	0.374 mL	1.8701 mL	3.7401 mL
50 mM	0.0748 mL	0.374 mL	0.748 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

Baptiste BA, et al. Enhanced mitochondrial DNA repair of the common disease-associated variant, Ser326Cys, of hOGG1 through small molecule intervention. Free Radic Biol Med. 2018 Aug 20;124:149-162.

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