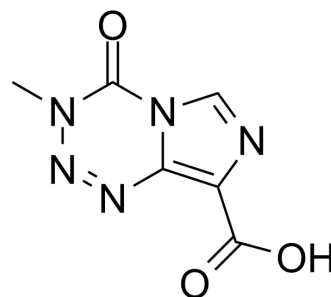


## Temozolomide acid

Cat. No.:	HY-W018326		
CAS No.:	113942-30-6		
Molecular Formula:	C <sub>6</sub> H <sub>5</sub> N <sub>5</sub> O <sub>3</sub>		
Molecular Weight:	195.14		
Target:	DNA/RNA Synthesis		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (256.23 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	5.1245 mL	25.6226 mL	51.2453 mL
	5 mM	1.0249 mL	5.1245 mL	10.2491 mL
	10 mM	0.5125 mL	2.5623 mL	5.1245 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (12.81 mM); Clear solution			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (12.81 mM); Clear solution			
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (12.81 mM); Clear solution			

### BIOLOGICAL ACTIVITY

Description	Temozolomide acid is a carboxylic acid derivative of Temozolomide. Temozolomide is a DNA alkylating agent, methylating the guanine and adenine bases of DNA, causing breaks in DNA double strand, cell cycle arrest, and eventually cell death. Temozolomide acid has an activity similar to the parent compound Temozolomide with the same anticancer activity <sup>[1]</sup> .
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### REFERENCES

**Caution: Product has not been fully validated for medical applications. For research use only.**

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