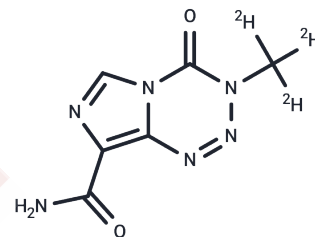


## Temozolomide-D3

## Chemical Properties

CAS No. :	208107-14-6
Formula:	C <sub>6</sub> H <sub>6</sub> N <sub>6</sub> O <sub>2</sub>
Molecular Weight:	197.17
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	Temozolomide-D3 is the deuterated form of Temozolomide. Temozolomide (T1178) (NSC 362856) is an orally active DNA alkylating agent capable of crossing the blood-brain barrier. It also acts as an autophagy inducer and an apoptosis agent. This compound is effective against tumor cells characterized by low levels of O6-alkylguanine-DNA alkyltransferase (OGAT) and dysfunctional mismatch repair systems. Temozolomide (T1178) exhibits anti-tumor and anti-angiogenic effects.
Targets(IC50)	Apoptosis, Autophagy, DNA Alkylator/Crosslinker

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0718 mL	25.3588 mL	50.7177 mL
5 mM	1.0144 mL	5.0718 mL	10.1435 mL
10 mM	0.5072 mL	2.5359 mL	5.0718 mL
50 mM	0.1014 mL	0.5072 mL	1.0144 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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