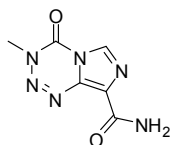




## Certificate of Analysis

**Axon Catalogue ID:** 2326 **Batch Number:** 1  
**Product Name:** Temozolomide  
**Alternative Name(s):** TMZ; NSC 362856; SCH 52365; CCRG 81045; Temodal  
**IUPAC Name:** 3-Methyl-4-oxo-3,4-dihydroimidazo[5,1-d][1,2,3,5]tetrazine-8-carboxamide

**Structure:**



**Amount:**

**CAS number:** 85622-93-1  
**Batch Molecular Formula:** C<sub>6</sub>H<sub>6</sub>N<sub>6</sub>O<sub>2</sub> **Batch MW:** 194.15  
**Appearance:** White solid **Observed mp:** 202 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.51 DCM/MeOH (9:1)  
**Chemical Purity:** 100%  
**Optical Purity (ee):**  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 37.12 , H 3.11 , N 43.29 Found: C 37.05 , H 3.09 , N 43.55  
**Storage Conditions:** Store at +4 °C

| Solubility Data: | Solvent        | Solubility (mg/ml) | Solubility (mM) | Remarks    |
|------------------|----------------|--------------------|-----------------|------------|
|                  | Water          | 0.0                | 0.0             | Insoluble  |
|                  | 0.1N NaOH (aq) |                    |                 | Not Tested |
|                  | 0.1N HCl (aq)  | 3.5                | 18.0            |            |
|                  | DMSO           | 19.4               | >100 mM         |            |
|                  | EtOH           |                    |                 | Not Tested |

**Remarks:** Degradation observed in pure MeOH. Stable in MeOH+HCl. Preferred sample preparation in acidic medium.

**QC Date:** 5-9-2014

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to [info@axonmedchem.com](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**