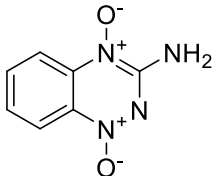




Certificate of Analysis

| | | |
|-------------------------------|--------------------------------------|--------------------------|
| MedKoo Cat#: 202940 | Product Name: Tirapazamine | Lot#: S7G12M05 |
|-------------------------------|--------------------------------------|--------------------------|

| Chemical name | |
|---|--|
| 3-aminobenzo[e][1,2,4]triazine 1,4-dioxide | |
| Synonyms | |
| Tirapazamine; Tirazone; SR 4233; SR-4233; SR4233; SR259075; SR-259075; SR 259075; WIN 59075; NSC130181. | |
| Chemical structure | CAS# and Theoretical analysis |
|  | MedKoo Cat#: 202940 Name: Tirapazamine CAS#: 27314-97-2 Lot#:S7G12M05 Chemical Formula: C ₇ H ₆ N ₄ O ₂ Exact Mass: 178.04908 Molecular Weight: 178.15 |

| Analysis item | Specifications / Results |
|---------------------------|--|
| Appearance | Orange to dark orange-red solid powder |
| Structure | ¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature. |
| Purity (HPLC) | >98.0% |
| Solubility | Soluble in DMSO |
| Conclusion | This product conforms with MedKoo's quality standards |
| Shipping condition | Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs. |
| Storage condition | Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition |
| Shelf life | At least 5 years if properly stored. |

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE