



## Product Information

### Ribonucleotide reductase inhibitor, Didox, Purity ≥98%

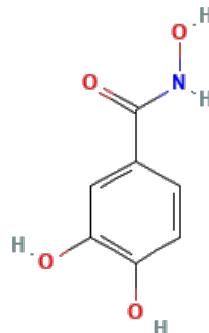
**Cat. No.:** X24-09-YM591

**Size:** 5 mg; 10 mg; 20 mg; 50 mg

**CAS Number:** 69839-83-4

**Compound CID:** 3045

**Synonym:** 69839-83-4; *N*,3,4-Trihydroxybenzamide; 3,4-Dihydroxybenzohydroxamic acid; NSC-324360; Benzamide, *N*,3,4-trihydroxy-; DIDO; *N*,3,4-Trihydroxybenzamide; Ribonucleotide reductase inhibitor



**This product is for research use only and is not intended for diagnostic use.**

### Product Information

|                          |   |
|--------------------------|---|
| <b>Description</b>       | Didox is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting ribonucleotide reductase. The molecular weight of the compound is 169.13, and its molecular formula is C <sub>7</sub> H <sub>7</sub> NO <sub>4</sub> . |
| <b>Molecular Weight</b>  | 169.13  |
| <b>Molecular Formula</b> | C <sub>7</sub> H <sub>7</sub> NO <sub>4</sub>   |
| <b>IUPAC Name</b>        | <i>N</i> ,3,4-Trihydroxybenzamide   |
| <b>InChI</b>             | InChI=1S/C7H7NO4/c9-5-2-1-4(3-6(5)10)7(11)8-12/h1-3,9-10,12H,(H,8,11)   |
| <b>InChI Key</b>         | QJMCCKEPOKRERLN-UHFFFAOYSA-N  |
| <b>Canonical SMILES</b>  | C1=CC(=C(C=C1C(=O)NO)O)O  |
| <b>Isomeric SMILES</b>   | CC1=C(SC2=C1C(=O)N(C(=O)N2C[C@H](C3=CC=CC=C3OC)OC4CCOCC4)C(C)(C)C(=O)N)C5=NC=CO5  |
| <b>Form</b>              | Lyophilized powder  |
| <b>Purity</b>            | ≥98%  |
| <b>Impurities</b>        | Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.  |
| <b>Identity</b>          | Confirmed by NMR/HPLC/MS.   |
| <b>Stability</b>         | In its lyophilized form, the chemical remains stable for 36 months.   |
| <b>Quality Level</b>     | Research grade  |
| <b>Applications</b>      | Didox plays a key role in inhibiting tumor growth and enhancing the effectiveness of certain chemotherapeutics.   |
| <b>Storage</b>           | Store at -20°C, and keep desiccated.  |



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