



Product Information

Ribonucleotide reductase inhibitor, Didox, Purity $\geq 98\%$

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

Description	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 $C_7H_7NO_4$.
Molecular Weight	169.13
Molecular Formula	$C_7H_7NO_4$
IUPAC Name	<i>N</i> ,3,4-Trihydroxybenzamide
InChI	InChI=1S/C7H7NO4/c9-5-2-1-4(3-6(5)10)7(11)8-12/h1-3,9-10,12H,(H,8,11)
InChI Key	QJMCKEPOKRERLN-UHFFFAOYSA-N
Canonical SMILES	<chem>C1=CC(=C(C=C1C(=O)NO)O)O</chem>
Isomeric SMILES	<chem>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</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Didox plays a key role in inhibiting tumor growth and enhancing the effectiveness of certain chemotherapeutics.
Storage	Store at -20°C , and keep desiccated.



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