

Product Information

Nicaraven, Purity $\geq 98\%$

Cat. No.: X24-09-YM1424

Size: 5 mg; 10 mg; 50 mg; 100 mg

MDL: MFCD00411904

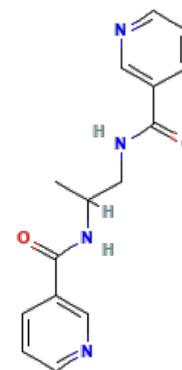
CAS Number: 79455-30-4

Compound CID: 71234

Synonym: 79455-30-4; Antevas;

N-[2-(Pyridine-3-carboxylamino)propyl]pyridine-3-carboxamide

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



Product Information

Description	Nicaraven, soluble in DMSO, water, and ethanol, is a novel chemically synthesized hydroxyl radical-specific scavenger. The molecular weight of the compound is 284.31, and its molecular formula is $C_{15}H_{16}N_4O_2$.
Molecular Weight	284.31
Molecular Formula	$C_{15}H_{16}N_4O_2$
IUPAC Name	<i>N</i> -[2-(Pyridine-3-carboxylamino)propyl]pyridine-3-carboxamide
InChI	InChI=1S/C15H16N4O2/c1-11(19-15(21)13-5-3-7-17-10-13)8-18-14(20)12-4-2-6-16-9-12/h2-7,9-11 H,8H2,1H3,(H,18,20)(H,19,21)
InChI Key	KTXBOOWDLPUROU-UHFFFAOYSA-N
Canonical SMILES	<chem>CC(CNC(=O)C1=CN=CC=C1)NC(=O)C2=CN=CC=C2</chem>
Isomeric SMILES	<chem>C[C@@@H]1C[C@H]2[C@@H]3CCC4=CC(=O)C=C[C@@]4([C@]3([C@H]1C[C@@]2([C@H]1C(=O)CO)C)O)F)C</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 56 mg/mL (196.96 mM); Water: 56 mg/mL (196.96 mM); Ethanol: 56 mg/mL (196.96 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade



Applications

Nicaraven plays a key role in protecting neurons from damage during ischemia or oxidative stress situations.

Storage

Store at -20°C, and keep desiccated.
