

Product Information

Citicolone, Purity $\geq 98\%$

Cat. No.: X24-09-YM1420

Size: 100 mg; 250 mg; 500 mg; 1000 mg

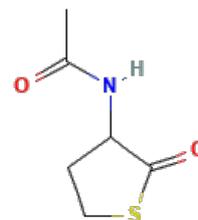
MDL: MFCD00005480

CAS Number: 1195-16-0

Compound CID: 14520

Synonym: 1195-16-0; Thioxidrene; *N*-(2-Oxothiolan-3-yl)acetamide

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



Product Information

Description	Citicolone, soluble in DMSO, water, and ethanol, is a derivative of the amino acid cysteine. The molecular weight of the compound is 159.21, and its molecular formula is C ₆ H ₉ NO ₂ S.
Molecular Weight	159.21
Molecular Formula	C ₆ H ₉ NO ₂ S
IUPAC Name	<i>N</i> -(2-Oxothiolan-3-yl)acetamide
InChI	InChI=1S/C6H9NO2S/c1-4(8)7-5-2-3-10-6(5)9/h5H,2-3H2,1H3,(H,7,8)
InChI Key	NRFJZTXWLKPZAV-UHFFFAOYSA-N
Canonical SMILES	CC(=O)NC1CCSC1=O
Isomeric SMILES	C1C[C@H](N2C[C@@H]1N(C2=O)OS(=O)(=O)[O-])C(=O)N.[Na+]
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 29 mg/mL (182.15 mM); Water: 29 mg/mL (182.15 mM); Ethanol: 29 mg/mL (182.15 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Citicolone plays a key role in potentially improving symptoms associated with cerebral ischemia or oxidative stress.
Storage	Store at -20°C, and keep desiccated.



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