

## Specification Sheet

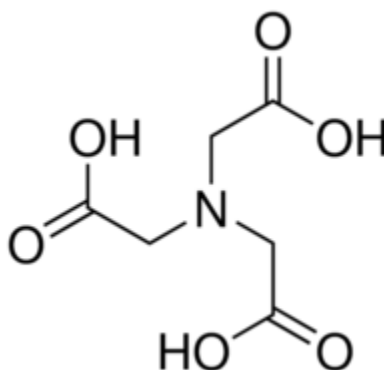
72559 Sigma-Aldrich

## Nitrilotriacetic acid

BioUltra, ≥99.0% (T)

Synonym: *N,N*-Bis(carboxymethyl)glycine, NTA, Tris(carboxymethyl)amine

- CAS Number [139-13-9](#)
- Linear Formula  $N(CH_2COOH)_3$
- Molecular Weight 191.14
- Beilstein/REAXYS Number 1710776
- EC Number [205-355-7](#)
- MDL number [MFCD00004287](#)
- PubChem Substance ID [57652424](#)
- NACRES NA.25



SKU-Pack Size	Availability	Pack Size	Price (SGD)	Quantity
72559-100G	Estimated to ship on 28.04.2021 - FROM	100 g		<input type="text" value="0"/>

## Properties

Related Categories [Biochemicals and Reagents](#), [Chelators](#) [More...](#)product line **BioUltra**assay **≥99.0% (T)**impurities **insoluble matter, passes filter test**

ign. residue	≤0.05%
loss	≤0.1% loss on drying, 110 °C
mp	245 °C (dec.) (lit.)
solubility	0.1 M NaOH: 0.1 M at 20 °C, clear, colorless
anion traces	chloride (Cl <sup>-</sup> ): ≤100 mg/kg
cation traces	Al: ≤20 mg/kg
	As: ≤0.1 mg/kg
	Ba: ≤5 mg/kg
	Bi: ≤5 mg/kg
	Ca: ≤10 mg/kg
	Cd: ≤5 mg/kg
	Co: ≤5 mg/kg
	Cr: ≤5 mg/kg
	Cu: ≤5 mg/kg
	Fe: ≤20 mg/kg
	K: ≤50 mg/kg
	Li: ≤5 mg/kg
	Mg: ≤5 mg/kg
	Mn: ≤5 mg/kg



	Mo: ≤5 mg/kg
	Na: ≤500 mg/kg
	Ni: ≤5 mg/kg
	Pb: ≤5 mg/kg
	Sr: ≤5 mg/kg
	Zn: ≤5 mg/kg
λ	0.1 M in 1 M NaOH
UV absorption	λ: 260 nm A <sub>max</sub> : 1.5
	λ: 280 nm A <sub>max</sub> : 0.05
storage temp.	room temp
SMILES string	<chem>OC(=O)CN(CC(O)=O)CC(O)=O</chem>
InChI	1S/C6H9NO6/c8-4(9)1-7(2-5(10)11)3-6(12)13/h1-3H2,(H,8,9)(H,10,11)(H,12,13)
InChI key	MGFYIUFLZLHCRTH-UHFFFAOYSA-N

[Show Fewer Properties](#)