

## Product Information

### Maleimidoacetic acid, Purity $\geq 98\%$

**Cat. No.:** X24-09-YM1268

**Size:** 25 mg; 50 mg; 100 mg; 250 mg

**MDL:** MFCD00457254

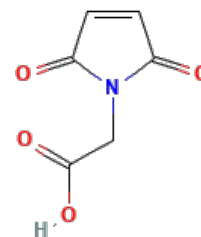
**CAS Number:** 25021-08-3

**Compound CID:** 319935

**Synonym:** 25021-08-3; 2-Maleimido acetic acid; Maleimidoacetic Acid;

2-Maleimidoacetic acid; 2-(2,5-dioxopyrrol-1-yl)acetic acid; 2-Maleimidoaceticacid;

2-(2,5-Dioxopyrrol-1-yl)acetic acid



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

### Product Information

<b>Description</b>	Maleimidoacetic acid is an organic heterocycle. The molecular weight of the compound is 155.11, and its molecular formula is C <sub>6</sub> H <sub>5</sub> NO <sub>4</sub> .
<b>Molecular Weight</b>	155.11
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>5</sub> NO <sub>4</sub>
<b>IUPAC Name</b>	2-(2,5-Dioxopyrrol-1-yl)acetic acid
<b>InChI</b>	InChI=1S/C6H5NO4/c8-4-1-2-5(9)7(4)3-6(10)11/h1-2H,3H2,(H,10,11)
<b>InChI Key</b>	GBKPNGVKZQBPCZ-UHFFFAOYSA-N
<b>Canonical SMILES</b>	C1=CC(=O)N(C1=O)CC(=O)O
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<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>	Maleimidoacetic acid plays a key role in bioconjugation methodologies, particularly in preparing nanoparticle-based drug delivery systems and in the labeling of proteins for analytical applications.
<b>Storage</b>	Store at -20°C, and keep desiccated.