

## Product Information

### 6-Maleimidocaproic acid, Purity $\geq 98\%$

**Cat. No.:** X24-09-YM1267

**Size:** 500 mg; 1 g; 2 g; 5 g

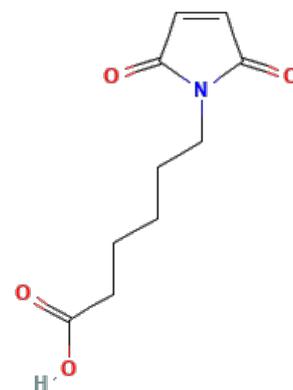
**MDL:** MFCD00043140

**CAS Number:** 55750-53-3

**Compound CID:** 573683

**Synonym:** 55750-53-3; EMCA; 6-(2,5-Dioxopyrrol-1-yl)hexanoic acid

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



#### Product Information

<b>Description</b>	6-Maleimidocaproic acid is a sulfhydryl reactive heterobifunctional crosslinking reagent. The molecular weight of the compound is 211.21, and its molecular formula is $C_{10}H_{13}NO_4$ .
<b>Molecular Weight</b>	211.21
<b>Molecular Formula</b>	$C_{10}H_{13}NO_4$
<b>IUPAC Name</b>	6-(2,5-Dioxopyrrol-1-yl)hexanoic acid
<b>InChI</b>	InChI=1S/C10H13NO4/c12-8-5-6-9(13)11(8)7-3-1-2-4-10(14)15/h5-6H,1-4,7H2,(H,14,15)
<b>InChI Key</b>	WOJKKJKETHYEAC-UHFFFAOYSA-N
<b>Canonical SMILES</b>	<chem>C1=CC(=O)N(C1=O)CCCCCC(=O)O</chem>
<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>	6-Maleimidocaproic acid plays a key role in biochemical applications, including the development of antibody-drug conjugates and protein labeling.
<b>Storage</b>	Store at $-20^{\circ}C$ , and keep desiccated.