

Product Information

3-Methylcrotonyl glycine, Purity $\geq 98\%$

Cat. No.: X24-09-YM1229

Size: 5 mg; 10 mg; 20 mg; 50 mg

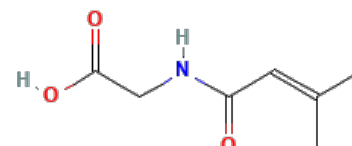
MDL: MFCD10692260

CAS Number: 33008-07-0

Compound CID: 169485

Synonym: 33008-07-0; *N*-(3,3-Dimethylacrylyl)glycine;

2-(3-Methylbut-2-enoylamino)acetic acid



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

Product Information

Description	3-Methylcrotonyl glycine is a metabolite found in 3-methylcrotonylglycinuria, a metabolic disorder. The molecular weight of the compound is 157.17, and its molecular formula is C ₇ H ₁₁ NO ₃ .
Molecular Weight	157.17
Molecular Formula	C ₇ H ₁₁ NO ₃
IUPAC Name	2-(3-Methylbut-2-enoylamino)acetic acid
InChI	InChI=1S/C7H11NO3/c1-5(2)3-6(9)8-4-7(10)11/h3H,4H2,1-2H3,(H,8,9)(H,10,11)
InChI Key	PFWQSHXPKNRLIV-UHFFFAOYSA-N
Canonical SMILES	CC(=CC(=O)NCC(=O)O)C
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	3-Methylcrotonyl glycine can be studied extensively for its potential therapeutic applications in the treatment of certain metabolic disorders, particularly related to mitochondrial function and amino acid metabolism.
Storage	Store at -20°C, and keep desiccated.