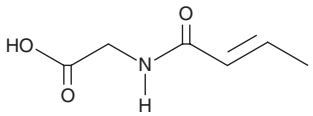
PRODUCT INFORMATION

N-Crotonylglycine

Item No. 46346

CAS Registry No.:	1026721-15-2
Formal Name:	N-[(2E)-1-oxo-2-buten-1-yl]-glycine
MF:	$C_6H_9NO_3$
FW:	143.1
Purity:	≥98%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

N-Crotonylglycine is supplied as a solid. A stock solution may be made by dissolving the N-crotonylglycine in the solvent of choice, which should be purged with an inert gas. N-Crotonylglycine is sparingly soluble (1-10 mg/ml) in acetonitrile:water (1:1).

Description

N-Crotonylglycine is an acylglycine. It has been found in the urine of patients with mitochondrial HMG-CoA synthase deficiency (mHSD), an inborn error of metabolism that inhibits ketone body synthesis.[1]

Reference

1. Kouremenos, K.A., Pitt, J., and Marriott, P.J. Metabolic profiling of infant urine using comprehensive two-dimensional gas chromatography: Application to the diagnosis of organic acidurias and biomarker discovery. *J. Chromatogr. A* **1217(1)**, 104-111 (2010).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 08/20/2026

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM