Isovaleroylglycine
Item No. 17581

CAS Registry No.: 16284-60-9
Formal Name: N-(3-methyl-1-oxobutyl)-glycine
Synonym: N-Isovalerylglycine
MF: C_7H_{13}NO_3
FW: 159.2
Purity: ≥95%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid

Laboratory Procedures
For long term storage, we suggest that isovaleroylglycine be stored as supplied at -20°C. It should be stable for at least two years.

Isovalerylglycine is supplied as a crystalline solid. A stock solution may be made by dissolving the isovaleroylglycine in the solvent of choice. Isovalerylglycine is soluble in organic solvents such as methanol and DMSO, which should be purged with an inert gas. The solubility of isovaleroylglycine in these solvents is approximately 1 and 5 mg/ml, respectively.

Isovalerylglycine is a compound found in the urine of patients with isovaleric acidemia, a disorder created by defective leucine metabolism due to a deficiency in the isovaleryl coenzyme A dehydrogenase. It has been used as a diagnostic tool in the diagnosis of various acidemias and mitochondrial fatty acid β-oxidation defects.

Reference

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/17581

WARNING: This product is for laboratory research only; not for administration to humans. Not for human or veterinary diagnostic or therapeutic use.

SafETY DATA
This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent by email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Cayman Chemical Company makes no warranty or guarantee of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, satisfactory performance and merchantability, which extends beyond the description of the chemicals hereof. Cayman warrants only to the original customer that the material will meet our specifications at the time of delivery. Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have any obligation or liability, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, its directors or its employees. Buyer’s exclusive remedy and Cayman’s sole liability hereunder shall be limited to a refund of the purchase price, or at Cayman’s option, the equivalent, at no cost to Buyer, of all material that does not meet our specifications.

Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.

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