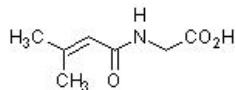


Product datasheet

3-Methylcrotonylglycine, amino acid metabolite ab145925

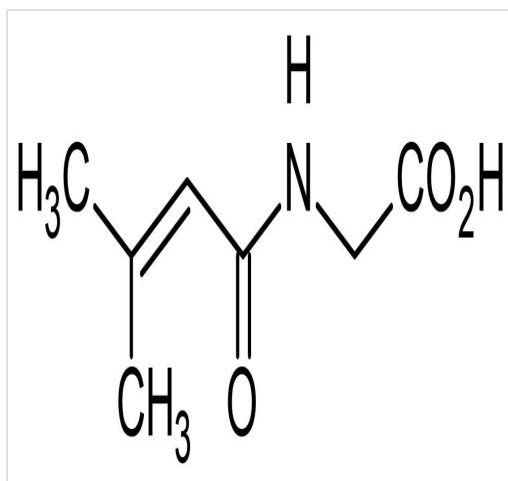
1 Image

Overview

Product name	3-Methylcrotonylglycine, amino acid metabolite
Description	Amino acid metabolite found in 3-methylcrotonylglycinuria
Biological description	Amino acid metabolite found in the metabolic disorder 3-methylcrotonylglycinuria. It is an acyl glycine. Acyl glycines are normally minor metabolites of fatty acids. Increased levels of this metabolite are found in patients suffering from leucine catabolic disorders, such as 3-methylcrotonyl-CoA carboxylase deficiency and it is often considered a diagnostic marker of organic acidemias. Disrupts mitochondrial energy homeostasis and inhibits synaptic Na ⁺ , K ⁺ -ATPase activity in brain of young rats.
Purity	> 95%
CAS Number	33008-07-0
Chemical structure	

Properties

Chemical name	2-(3-Methylbut-2-enoylamino)acetic acid
Molecular weight	157.17
Molecular formula	C ₇ H ₁₁ NO ₃
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
Source	Synthetic



2D chemical structure image of ab145925, 3-Methylcrotonylglycine, amino acid metabolite

Chemical Structure - 3-Methylcrotonylglycine, amino acid metabolite (ab145925)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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- Response to your inquiry within 24 hours
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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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