**Product datasheet**

**L-Tryptophan, essential amino acid ab146400**

**Overview**

**Product name**: L-Tryptophan, essential amino acid

**Description**: Essential amino acid.

**Biological description**: Essential amino acid which is necessary for normal growth in infants and for nitrogen balance in adults. Used as an antidepressant, anxiolytic and sleep aid. Precursor to niacin, indole alkaloids, serotonin and melatonin.

**Purity**: > 99%

**Properties**

**Molecular weight**: 204.20

**Chemical structure**

![Chemical structure](image)

**Molecular formula**: C_{11}H_{12}N_{2}O_{2}

**CAS Number**: 73-22-3

**Storage instructions**: Store at Room Temperature. The product can be stored for up to 12 months.

**Handling**: 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.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions (FAQ) page](#) for more details.

**Source**: Synthetic

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**Please note**: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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