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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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3-Methyladenine

Autophagosome inhibitor
Catalog No. SIH-408



Discovery through partnership | Excellence through quality

Overview

Product Name

3-Methyladenine

Description

Autophagosome inhibitor

Purity

>98%

CAS No.

5142-23-4

Molecular Formula

C₇H₉N₅

Molecular Weight

149.2

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO (10 mg/ml) or 100% ethanol (5 mg/ml, warm).

Source

Synthetic

Appearance

White solid.

SMILES

C[N+]2C1=NC=NC1=C(N=C2)N

InChI

InChI=1S/C6H7N5/c1-11-3-10-5(7)4-6(11)9-2-8-4/h2-3H,7H2,1H3

InChIKey

FSASIHFSFGAIJM-UHFFFAOYSA-N

Safety Phrases

Classification: Not WHMIS controlled.

Safety Phrases:

S22 - Do not breathe dust.

S24/25 - Avoid contact with skin and eyes.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Cite This Product

3-Methyladenine (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-408)

Biological Description

Alternative Names

3-MA, 3-Methyl-3H-purin-6-amine

Research Areas

Cancer, Autophagy

PubChem ID

1673

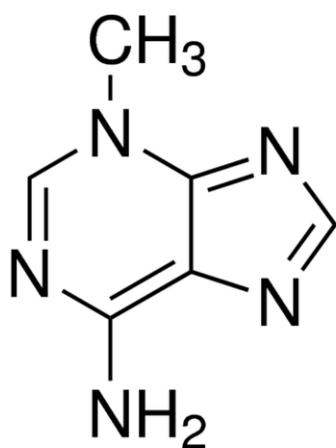
Scientific Background

3-Methyladenine inhibits phosphatidylinositol 3-kinase (PI3 kinase) and in doing so also is an inhibitor of autophagy by inhibiting autophagosome formation.

References

1. Blommaert E.F., et al. (1997) Eur J Biochem. 243(1-2): 240-6.
 2. Lin Y.C., et al. (2012) J Immunol. 189(8): 4154-64.
 3. Wu Y.T., et al. (2010) J Biol Chem. 285(14): 10850-61.
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Product Images



Chemical structure of 3-Methyladenine (SIH-408), a Autophagosome inhibitor. CAS #: 5142-23-4. Molecular Formula: C₆H₇N₅. Molecular Weight: 149.2 g/mol.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.