



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

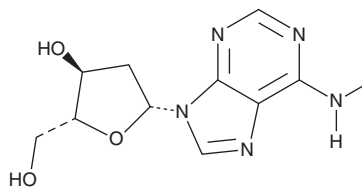
PRODUCT INFORMATION



N⁶-Methyl-2'-deoxyadenosine

Item No. 40407

CAS Registry No.: 2002-35-9
Formal Name: 2'-deoxy-N-methyl-adenosine
Synonyms: 6mdA, m⁶dA, N⁶-Methyl-dAdo, N⁶-Methyl-dA, N⁶-Methyldeoxyadenosine
MF: C₁₁H₁₅N₅O₃
FW: 265.3
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

N⁶-Methyl-2'-deoxyadenosine is supplied as a solid. A stock solution may be made by dissolving the N⁶-methyl-2'-deoxyadenosine in the solvent of choice, which should be purged with an inert gas. N⁶-Methyl-2'-deoxyadenosine is soluble in methanol and DMSO.

Description

N⁶-Methyl-2'-deoxyadenosine is a nucleoside and inducer of erythroid progenitor cell (EPC) proliferation.¹ It stimulates the proliferation of EPCs isolated from mouse fetal livers and colony formation of isolated mouse bone marrow cell-derived progenitor cells when used at concentrations of 10 and 100 μM. N⁶-Methyl-2'-deoxyadenosine accumulates along promoters and gene coding sequences in activated mouse prefrontal cortical neurons and is associated with activation at the brain-derived neurotrophic factor (Bdnf) P4 promoter, which is essential to the extinction of conditioned fear.²

References

1. Li, Y., Liang, Z.-Y., and Wang, H.-L. N⁶-methyl-2'-deoxyadenosine promotes self-renewal of BFU-E progenitor in erythropoiesis. *iScience* **26(6)**, 106924 (2023).
2. Li, X., Zhao, Q., Wei, W., *et al.* The DNA modification N⁶-methyl-2'-deoxyadenosine (m⁶dA) drives activity-induced gene expression and is required for fear extinction. *Nat. Neurosci.* **22(4)**, 534-544 (2019).

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, 02/15/2024

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