



# 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

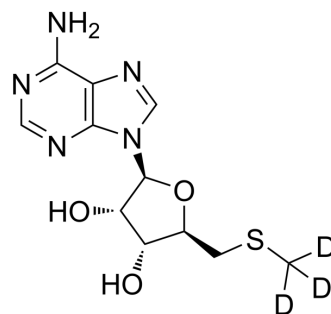
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## 5'-Deoxy-5'-(methylthio)adenosine-d<sub>3</sub>

Cat. No.:	HY-W654139
CAS No.:	2699607-01-5
Molecular Formula:	C <sub>11</sub> H <sub>12</sub> D <sub>3</sub> N <sub>5</sub> O <sub>3</sub> S
Molecular Weight:	300.35
Target:	Isotope-Labeled Compounds; Endogenous Metabolite; Parasite; Apoptosis
Pathway:	Others; Metabolic Enzyme/Protease; Anti-infection; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

5'-Deoxy-5'-(methylthio)adenosine-d<sub>3</sub> is deuterium labeled 5'-Methylthioadenosine. 5'-Methylthioadenosine (5'-(Methylthio)-5'-deoxyadenosine) is a nucleoside generated from S-adenosylmethionine (SAM) during polyamine synthesis<sup>[1]</sup> [2][3]. 5'-Methylthioadenosine suppresses tumors by inhibiting tumor cell proliferation, invasion, and the induction of apoptosis while controlling the inflammatory micro-environments of tumor tissue. 5'-Methylthioadenosine and its associated materials have striking regulatory effects on tumorigenesis.

### REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Tang Y, et al. 5'-Methylthioadenosine attenuates ischemia reperfusion injury after liver transplantation in rats. *Inflammation*. 2014;37(5):1366-1373.
- [3]. Li Y, et al. 5'-Methylthioadenosine and Cancer: old molecules, new understanding. *J Cancer*. 2019;10(4):927-936.
- [4]. Tang B, et al. Specific Targeting of MTAP-Deleted Tumors with a Combination of 2'-Fluoro-adenine and 5'-Methylthioadenosine. *Cancer Res*. 2018;78(15):4386-4395.
- [5]. Yaofeng Li, et al. 5'-Methylthioadenosine and Cancer: old molecules, new understanding. *J Cancer*. 2019;10(4):927-936.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA