



# 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) 

# PRODUCT INFORMATION



## Aflatoxin M<sub>1</sub>-<sup>13</sup>C<sub>17</sub> Item No. 31264

**Formal Name:** (6aR,9aR)-9a-hydroxy-4-(methoxy-<sup>13</sup>C)-2,3,6a,9a-tetrahydrocyclopenta[c]furo[3',2':4,5]furo[2,3-h]chromene-1,11-dione-1,2,3,3a,3b,4,5,5a,6a,8,9,9a,9b,9c,11,11a-<sup>13</sup>C<sub>16</sub>

**Synonym:** AFM<sub>1</sub>-<sup>13</sup>C<sub>17</sub>  
**MF:** [<sup>13</sup>C]<sub>17</sub>H<sub>12</sub>O<sub>7</sub>

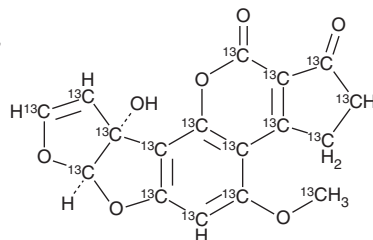
**FW:** 345.1

**Purity:** ≥98%

**Supplied as:** A solution in acetonitrile

**Storage:** -20°C

**Stability:** ≥1 year



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Description

AFM<sub>1</sub>-<sup>13</sup>C<sub>17</sub> is intended for use as an internal standard for the quantification of AFM<sub>1</sub> (Item No. 11297) by GC- or LC-MS. AFM<sub>1</sub> is an active metabolite of aflatoxin B<sub>1</sub> (Item No. 11293).<sup>1</sup> It induces hepatocyte hyperplasia and hepatocellular carcinoma tumor formation in rats when administered at a dose of 1 mg/animal. AFM<sub>1</sub> (6 mg/kg) increases hepatic total lipid levels and inhibits hepatic mitochondrial and cytoplasmic protein synthesis in rats.<sup>2</sup>

### References

1. Wogan, G.N. and Pagliarunga, S. Carcinogenicity of synthetic aflatoxin M<sub>1</sub> in rats. *Food Cosmet. Toxicol.* **12**(3), 381-385 (1974).
2. Pai, M.R., Bai, N.J., and Venkitasubramanian, T.A. Aflatoxin induced inhibition of protein synthesis. *Toxicol.* **16**(3), 283-287 (1978).

#### 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, 11/03/2020

#### 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