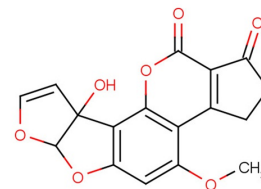


Aflatoxin M1

Chemical Properties

| | |
|-------------------|--|
| CAS No.: | 6795-23-9 |
| Formula: | C ₁₇ H ₁₂ O ₇ |
| Molecular Weight: | 328.27 |
| Appearance: | N/A |
| Storage: | 0-4°C for short term (days to weeks), or -20°C for long term (months). |



Biological Description

| | |
|----------------------------|--|
| Description | Aflatoxin M1 is a major metabolite of Aflatoxin B1. It is a mycotoxin produced by the fungi <i>Aspergillus flavus</i> and <i>Aspergillus parasiticus</i> . The level of toxicity associated with Aflatoxin is Aflatoxin B1 > Aflatoxin M1 > Aflatoxin G1 > Aflatoxin B2 > Aflatoxin M2 > Aflatoxin G2. |
| Targets(IC ₅₀) | Others: None |

Solubility Information

| | |
|------------|---|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|----------|-----------|-----------|
| 1 mM | 3.046 mL | 15.231 mL | 30.463 mL |
| 5 mM | 0.609 mL | 3.046 mL | 6.093 mL |
| 10 mM | 0.305 mL | 1.523 mL | 3.046 mL |
| 50 mM | 0.061 mL | 0.305 mL | 0.609 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Kumar P, et al. Aflatoxins: A Global Concern for Food Safety, Human Health and Their Management. *Front Microbiol.* 2017 Jan 17;7:2170.

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481