

## **Aflatoxin B1-d3**

Art. ID TRC-A357462-0.25MG  
Unit 0,25 mg  
Deliverydetails De Minimis

### Description

Category: Heterocycles, Isotope Labelled Compounds, Metabolites and Impurities, Pharmaceuticals, Intermediates and Fine Chemicals /// Appearance: Pale Yellow Solid /// Application Notes: Aflatoxin B1 labelled standard. Aflatoxins B1, B2, G1, G2 as secondary metabolites of fungal species such as *Aspergillus flavus* or *Aspergillus parasiticus* growing on a variety of foods (peanuts, nuts, spices, cereals). Aflatoxins are a group of very carcinogenic mycotoxins with hepatotoxic effects. Aflatoxin is biotransformed to genotoxic intermediates by P450 Phase I enzymes, mainly CYP3A4 via aflatoxin B1 3-hydroxylation. Detoxification depends on Phase II enzymes, such as Glutathione S-Transferase and AFB(1)-aldehyde reductase (AFAR). Aflatoxin B1 is one of the most potent environmental mutagens and carcinogens known. Environmental contaminants, Food contaminants /// References: Cifford, R., et al.: Nature, 209, 312 (1966), Wogan, et al.: Food Cosmet. Toxicol., 12, 681 (1974), Sinz, M.W., et al.: J. Toxicol. Toxin Rev., 10, 87 (1991)

| Text/Information | Analyte/Parameter | CAS number     | Concentration/Value | Unit | Method | Source |
|------------------|-------------------|----------------|---------------------|------|--------|--------|
|                  | Aflatoxin B1-d3   | [1217702-31-2] |                     |      |        |        |