

Product Name:	Aflatoxin G2
Product Number:	A118
CAS Number:	7241-98-7
Molecular Formula:	C ₁₇ H ₁₄ O ₇
Molecular Weight:	330.3
Appearance:	White powder
Storage Conditions:	-20°C
Description:	<p>Aflatoxin G2 is the minor analogue of the green fluorescent family of bisfuranocoumarin mycotoxins produced by <i>Aspergillus flavus</i> and related species. Aflatoxins are one of the most potent mycotoxins known but are in fact 'pre-toxins', requiring metabolic activation to the toxic principle. Aflatoxins are found widely in nature in trace amounts, particularly in grains and nuts. The toxicity of these metabolites was first recognised in the 1950s and their structures elucidated in 1963. Aflatoxins have been extensively reviewed.</p> <p>Aflatoxin G2 is soluble in ethanol, methanol, DMF and DMSO and has limited water solubility.</p>
References:	<p>Toxic metabolites of <i>Aspergillus flavus</i>. Hartley R. D. et al. Nature 1963, 198, 1056.</p> <p>Handbook of toxic fungal metabolites. Cole E. J. Academic Press, New York, 1981.</p> <p>Mutagenic activation of aflatoxin AFB1 by several forms of purified cytochrome P450. Ishii K. et al. Mutat. Res. 1986, 174, 84.</p>