



LKT Laboratories, Inc.

Aflatoxin Q1

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID A2056

CAS No. 52819-96-2

Chemical Name (3S,6aR,9aS)-3-hydroxy-4-methoxy-2,3-dihydrocyclopenta[c]furo
[3',2':4,5]furo[2,3-h]chromene-1,11(6aH,9aH)-dione

Synonym AFQ1

Formula C₁₇H₁₂O₇

Formula Wt. 328.27

Melting Point

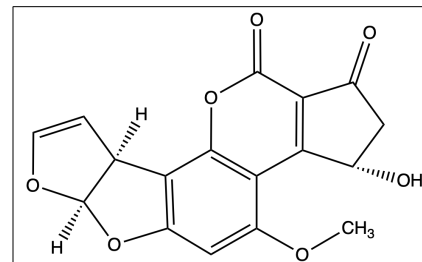
Purity ≥98%

Solubility

Store Temp 4°C

Ship Temp Ambient

Description Aflatoxin Q1 is a hydroxy metabolite of the mycotoxin aflatoxin B1. Human CYP3A4 study suggests aflatoxin Q1 is a detoxification product that is no longer mutagenic.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A2056	100 µg	\$207.60
A2056	500 µg	\$821.90
A2056	1 mg	\$1464.80

References Yourtee DM, Bean TA, Kirk-Yourtee CL. Human aflatoxin B1 metabolism: an investigation of the importance of aflatoxin Q1 as a metabolite of hepatic post-mitochondrial fraction. *Toxicol Lett.* 1987;38(3):213-24. doi: 10.1016/0378-4274(87)90002-6, PMID: 3116726

M. Yamada, K. Hatsuta, M. Niikawa, et al. Detoxification of Aflatoxin B1 Contaminated Maize Using Human CYP3A4. *J. Microbiol Biotechnol* 2020, 28;30(8):1207-1213. doi: 10.4014/jmb.2003.03032 PMID: 32423188

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.