


Certificate of Analysis

Catalog Number	BP10599
Product Name	2-methoxycinnamaldehyde

Physical and Chemical Properties

Synonyms	O-methoxycinnamaldehyde
CAS No.	1504-74-1
Chemical Formula	C ₁₀ H ₁₀ O ₂
Molecular Weight	162.188
Solubility	DMSO: 32mg/mL(197.3mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	2-Methoxycinnamaldehyde (2-MCA) is a natural compound of Cinnamomum cassia, has been widely studied with regard to its antitumor activity.
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In vitro	Cells were seeded in 96-well culture plates (1×10^4 cells/well). After incubated for 24 hours, the cells were treated with different concentrations of 2-MCA for 24 hours, 48 hours, and 72 hours. The cell viability was determined by Cell Proliferation Kit II (XTT) following the manufacturer's protocol. The absorbance was measured using Tecan infinite M200 spectrophotometer at 492 nm with a reference wavelength of 650 nm.
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Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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