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SIMULTANEOUS DERIVATIZATION OF 3-MONOCHLOROPROPANEDIOL AND 1,3- DICHLOROPROPANE WITH HMDS-TMSOTf DERIVATIZING AGENT



▶ MORE INFORMATION

MEGA-TREND

- Healthcare
- Measurement and Instrumentation

TECHNOLOGY READINESS LEVEL (TRL)

- TRL 8 (Production System - simulation environment/ Regulatory approval)

PATENT/ GRANTED NUMBER

- MY-173399-A

▶ TECHNOLOGY OVERVIEW

The present invention discloses a method for derivatizing carcinogenic 3-monochloropropanediol, 3-MCPD and 1,3-dichloropropane, 1,3-DCP simultaneously in food sample using hexamethyldisilazane, HMDS derivatizing agent combined with trimethylsilyl trifluoromethanesulfonate TMSOTf catalyst at room temperature. The method disclosed according to the present invention only requires a short period of time, is cost-effective, sensitive with high accuracy of the analytical method is demonstrated with real food samples.

CONTACT US!

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