PICKERING LABORATORIES
GUARANTEED CHEMISTRY

VANILLIN

FOR POST-COLUMN ANALYSIS OF POLYETHER ANTIBIOTICS

- Chromatographic Grade® for low noise and optimum sensitivity
- Argon protected, 30 gram & 300 gram package
- Visible-range detection for selectivity

Post-column derivatization with reagent containing Vanillin allows detection of Monesin, Narasin and Salinomycin at 520 nm with high sensitivity. To increase reagent life it is recommended to use 2-reagent system:

Reagent 1: Concentrated Sulfuric Acid – Methanol (4:96)

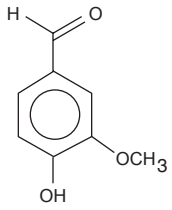
Reagent 2: 60 g/L of Vanillin in Methanol.

The HPLC method is isocratic with Methanol/Acetic acid, on a reversed-phase C_{18} column at 40 °C.

Chromatographic Grade Vanillin meets the exacting purity requirements for a post-column chemical, ensuring that detection at 520 nm will be free of reagent artifacts. Because it is sensitive to oxygen, Pickering Laboratories Vanillin is sealed under Argon gas in convenient 30-gram bottles.

Due to the corrosive nature of the reagent, a Pickering Laboratories post-column derivatization instrument is available, with an inert, non-metallic flow path, a pump with piston wash and a 1.4 mL reactor. This instrument may be connected to a standard liquid chromatograph (HPLC) with a UV/Vis detector, to convert it to an analyzer specific for the analysis of polyether antibiotics.

VANILLIN	
PART NUMBER	**QUANTITY**
3700-2200	30g
1700-2200	300g



Vanillin 4-Hydroxy-3-methoxybenzaldehyde CAS No. [121-33-5]

REFERENCE
1. H.M. Rodewald, et al., JAOAC Int'l., 1992, 75, 272-279
2. M.R. LaPointe and H. Cohen, JAOAC, 1988, 71, 480-484

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