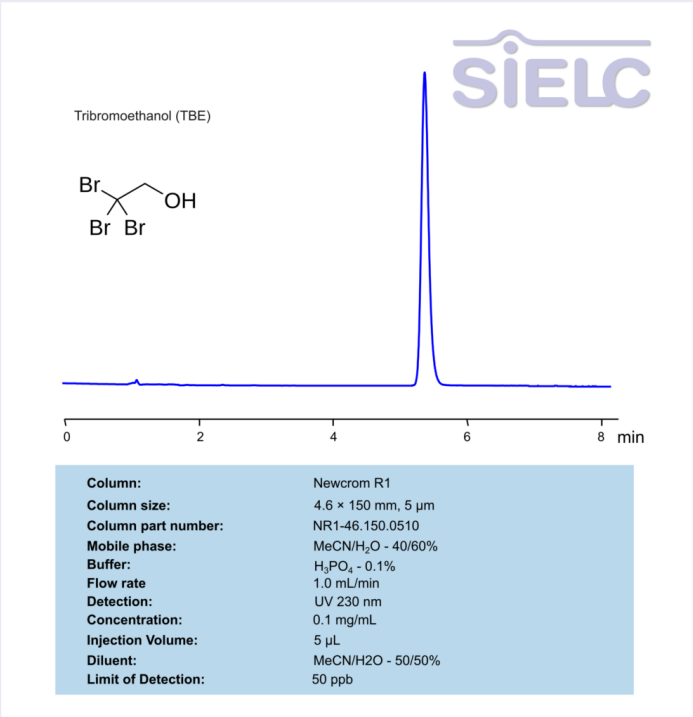
HPLC Method for Analysis of Tribromoethanol (TBE) on Newcrom R1 Column



Tribromoethanol (TBE) is a chemical compound with the molecular formula C2H3Br3O . It is a halogenated alcohol commonly used as an anesthetic agent in laboratory animals, particularly rodents.

Tribromoethanol (TBE) can be retained, and analyzed using a Newcrom R1 reverse-phase column. The analysis utilizes a isocratic method with a simple mobile phase consisting of water, acetonitrile (MeCN), and phosphoric acid as a buffer. Detection is carried out using UV.

Method Parameters

Column	Newcrom R1, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H2O – 40/60%
Buffer	H3PO4 – 0.1%
Flow Rate	1.0 mL/min
Detection	UV 230 nm

Quelle: https://sielc.com/hplc-determination-of-tbe