

Certificate of Analysis

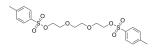
Triethylene glycol bis(p-toluenesulfonate)

Cat. No.:	HY-W013731
CAS No.:	19249-03-7
Batch No.:	116020
Chemical Name:	Ethanol, 2,2'-[1,2-ethanediylbis(oxy)]bis-, 1,1'-bis(4-methylbenzenesulfonate)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{20}H_{26}O_8S_2$		
Molecular Weight:	458.54		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

Chemical Structure:



ANALYTICAL DATA

Appearance:	White to off-white (Solid)
¹ H NMR Spectrum:	Consistent with structure
Purity (HPLC):	99.42%
Water(KF):	0.07%
Conclusion:	The product has been tested and complies with the given specifications.

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Proteins

Caution: Product has not been fully validated for medical applications. For research use only.

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