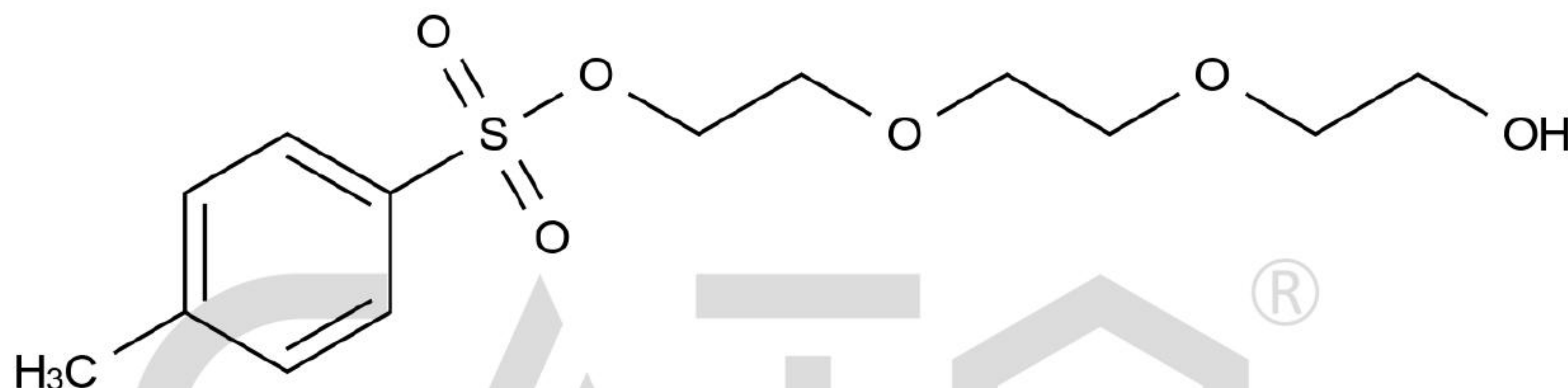


Certificate of Analysis

Reference Material & Standard

Product Name:	2-[2-(2-Hydroxyethoxy)ethoxy]ethyl 4-Methylbenzenesulfonate	Catalogue Number:	C1606032
Synonyms:	N/A	Lot Number:	1223-RF-0005
CAS Number:	77544-68-4	Expiry Date:	Dec 29, 2027
Molecular Formula:	C13H20O6S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	304.36	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	86.489%
Loss On Drying	TGA	0.2387%
Assay		86.3%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Dec 30, 2024

Date: Dec 31, 2024

Date: Dec 31, 2024

