CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

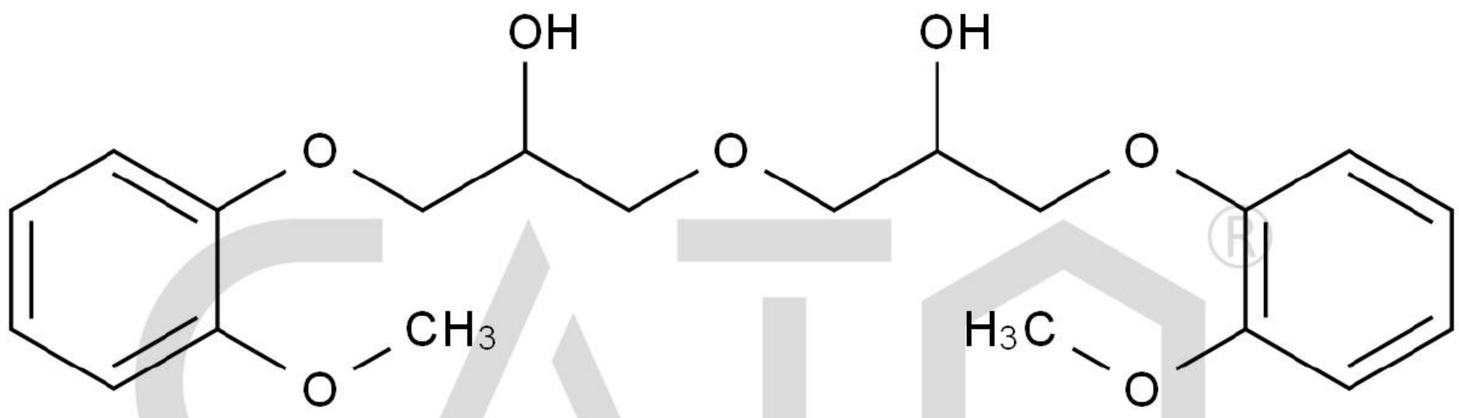
No.: 202604090007

Certificate of Analysis

Reference Material & Standard

Product Name:	Guaifenesin EP Impurity C	**Catalogue Number:**	C4X-12943
Synonyms:	3,3′-Oxybis[1-(2-methoxyphenoxy)-2-propanol]	**Lot Number:**	0407-RH-0164
CAS Number:	1797132-23-0	**Expiry Date:**	Apr 21, 2030
Molecular Formula:	$C_{20}H_{26}O_7$	**Storage:**	-20°C±5°C Sealed
Molecular Weight:	378.42	**Shipping Condition:**	Shipping with Ice Packs
Solubility:	Soluble in Acetonitrile and DMSO	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Oil
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	97.768%
Residue on Ignition	TGA	0.3965%
Loss on Drying	TGA	2.2027%
Assay	qNMR	95.9%
Assay	Mass Balance	95.2%

CATO Research Chemicals Inc.

Comment:

1. The retest date of this product is Apr 21, 2029.

2. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

*Assay (%) = (100%-Residue on Ignition-Loss on Drying) * Purity HPLC (%) /100%*

Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Koi Date: Apr 22, 2026

Reviewed by: Alice Date: Apr 22, 2026

Approved by General Manager: David Date: Apr 22, 2026

CATO Research Chemicals Inc.

Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175 Email: supports@cato-chem.com Web: Https://www.cato-chem.com

ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-2832

Official WeChat