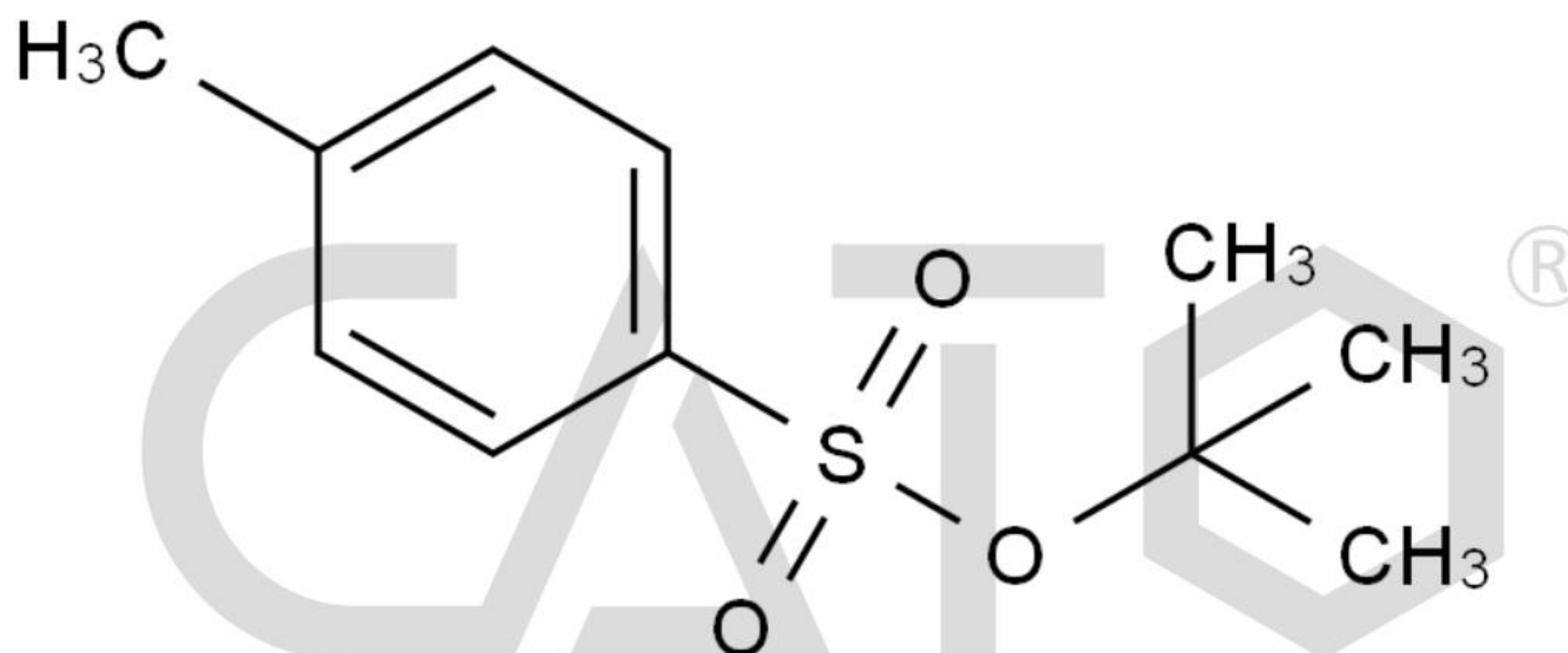


Certificate of Analysis

Reference Material & Standard

Product Name:	Bortezomib Impurity 41	Catalogue Number:	C4X-107241
Synonyms:	Tert-butyl 4-methylbenzenesulfonate	Lot Number:	0409-RH-0090
CAS Number:	4664-57-7	Expiry Date:	Jul 12, 2027
Molecular Formula:	C ₁₁ H ₁₆ O ₃ S	Storage:	-80°C±5°C Protected from light and Sealed
Molecular Weight:	228.31	Shipping Condition:	Shipping with Dry Ice
Solubility:	Acetonitrile	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	92.226%
Water Content	Karl Fischer	0.4343%
Assay		91.8%

Comment:

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

Assay (%) = (100% - Water Content) * Purity HPLC (%) / 100%

Water Content 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: Aug 05, 2026

Date: Aug 05, 2026

Date: Aug 05, 2026



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