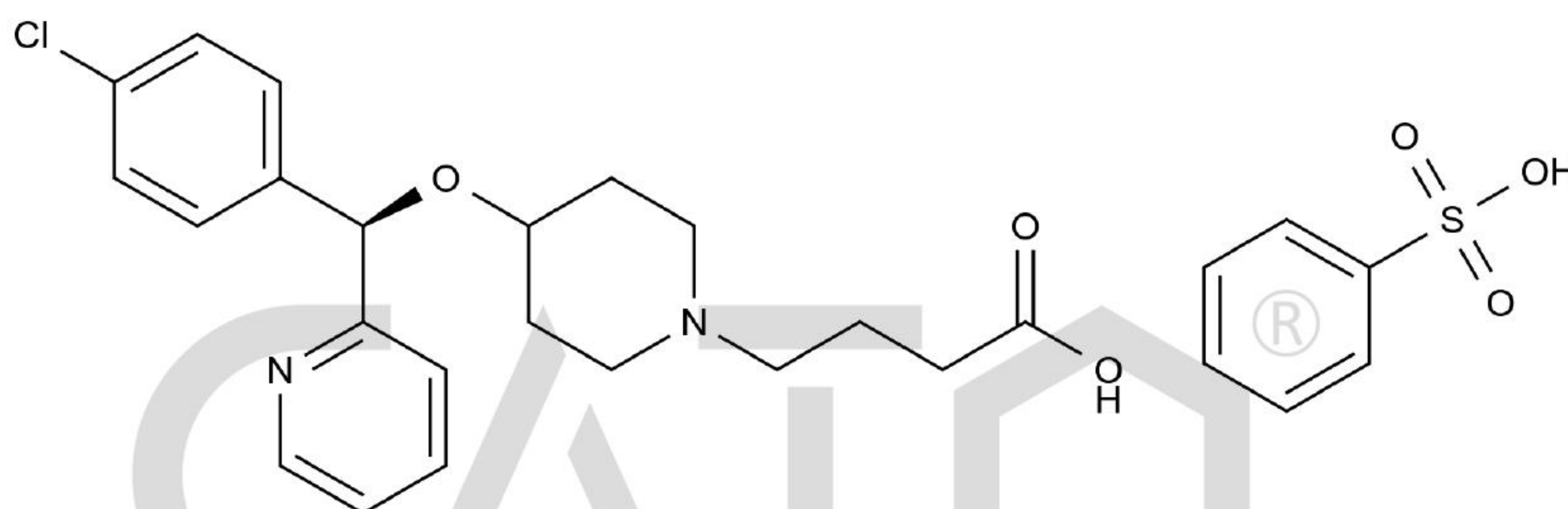


Certificate of Analysis

Reference Material & Standard

Product Name:	benzenesulfonate	Catalogue Number:	C4X-183920
Synonyms:	N/A	Lot Number:	1208-RG-0173
CAS Number:	190730-42-8	Expiry Date:	Mar 28, 2029
Molecular Formula:	C ₂₁ H ₂₅ ClN ₂ O ₃ C ₆ H ₆ O ₃ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	388.89 158.18	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	99.962%
Water Content	Karl Fischer	0.95%
Residual Solvents	NMR	0.24% acetonitrile
Assay		98.8%

Comment:

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

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

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Dec 14, 2025

Date: Dec 15, 2025

Date: Dec 15, 2025



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