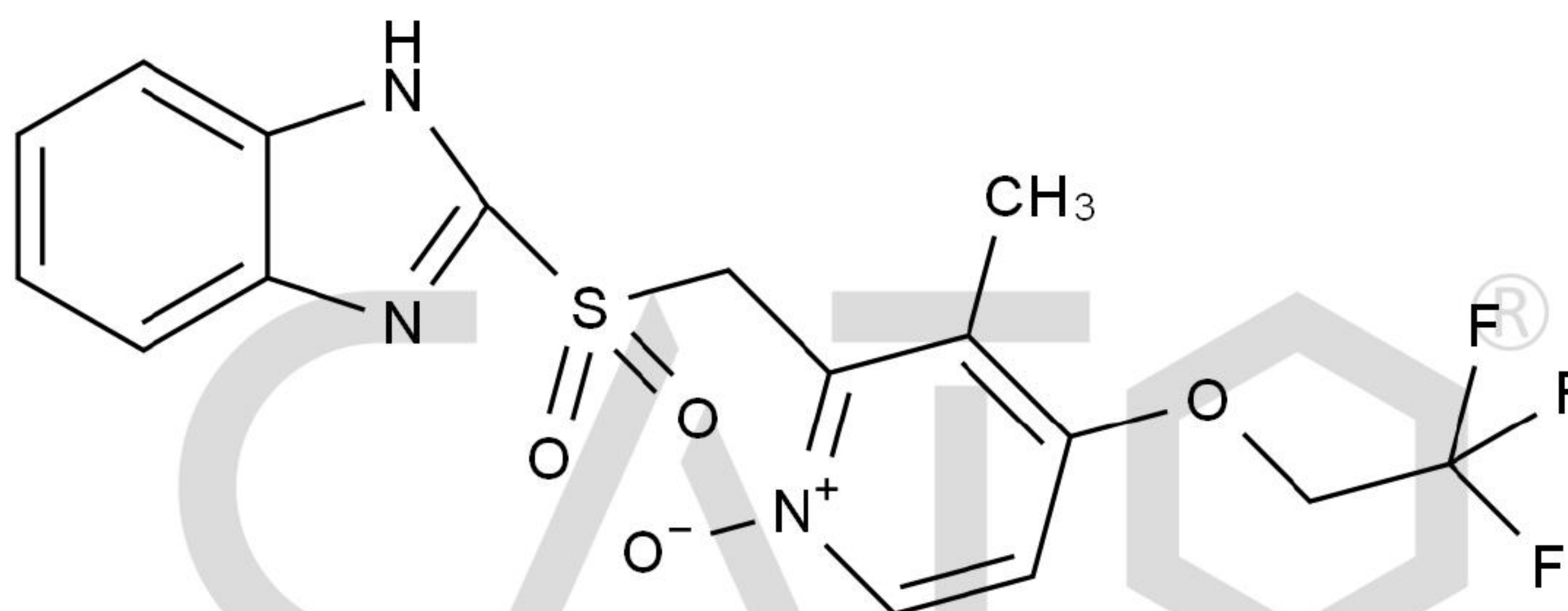


Certificate of Analysis

Reference Material & Standard

Product Name:	Lansoprazole Sulfone N-Oxide	Catalogue Number:	C4X-11137
Synonyms:	2-[[[(1H-benzo[d]imidazol-2-yl)sulfonyl]methyl]-3-methyl-4-(2,2,2-trifluoroethoxy)pyridine 1-oxide	Lot Number:	1231-RG-0053
CAS Number:	953787-54-7	Expiry Date:	Jan 06, 2030
Molecular Formula:	C ₁₆ H ₁₄ F ₃ N ₃ O ₄ S	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	401.36	Shipping Condition:	Shipping at Room Temperature
Solubility:	Soluble in Acetonitrile and DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.817%
Residue on Ignition	TGA	2.7612%
Loss On Drying	TGA	0.4180%
Assay	qNMR	95.8%
Assay	Mass Balance	96.6%

Comment:

1. The retest date of this product is Jan 06, 2029.
2. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Alice

Approved by General Manager:

David

Date: Jan 07, 2026

Date: Jan 07, 2026

Date: Jan 07, 2026



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