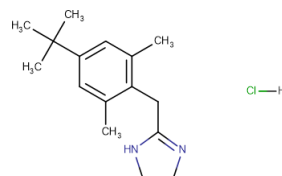


Product Name	: Xylometazoline hydrochloride
Synonyms	: Xylometazoline HCl; xylomethazoline
Cat No.	: M10820
CAS Number	: 1218-35-5
Molecular Formula	: C ₁₆ H ₂₄ N ₂ ·HCl
Formula Weight	: 280.84
Chemical Name	: 2-[(4-tert-butyl-2,6-dimethylphenyl)methyl]-4,5-dihydro-1H-imidazole hydrochloride
Description	: Xylometazoline Hydrochloride is an α-adrenoceptor agonist commonly used as nasal decongestant.
Pathway	: Endocrinology/Hormones
Target	: Adrenergic Receptor
Receptor	: α _{1A} -adrenergic receptor; α _{1B} -adrenergic receptor; α _{1D} -adrenergic receptor; α _{2A} -adrenergic receptor; α _{2B} -adrenergic receptor; α _{2C} -adrenergic receptor
Solubility	: Ethanol: 56 mg/mL (199.4 mM); Water: 56 mg/mL (199.4 mM); DMSO: 27 mg/mL (96.14 mM)
SMILES	: <chem>CC1=C(CC2=NCCN2)C(C)=CC(C(C)(C)C)=C1.[H]Cl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Haenisch B, Fundam Clin Pharmacol, 2010, 24(6), 729-739.