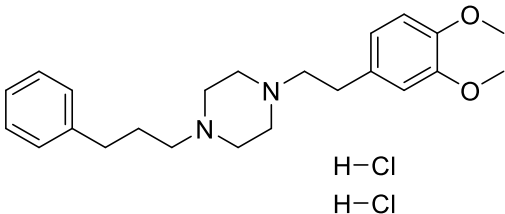




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
319851	Cutamesine HCl	A20T09K01

Chemical name	
1-(3,4-dimethoxyphenethyl)-4-(3-phenylpropyl)piperazine dihydrochloride	
Synonyms	
SA4503; SA 4503; SA-4503; AGY94806; AGY-94806; AGY 94806; Cutamesine HCl; Cutamesine hydrochloride	
Chemical structure	CAS# and Theoretical analysis
 H-Cl H-Cl	MedKoo Cat#: 319851 Name: Cutamesine HCl CAS#: 165377-44-6 (HCl) Lot#: A20T09K01 Chemical Formula: C ₂₃ H ₃₄ Cl ₂ N ₂ O ₂ Molecular Weight: 441.44

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>99.0%
Solubility	Soluble in DMSO
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE