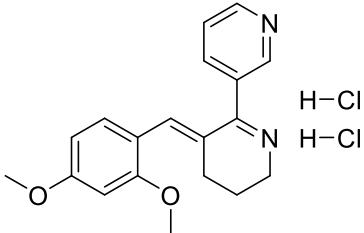


Certificate of Analysis

MedKoo Cat#: 522507	Product Name: GTS-21 HCl	Lot#: C7R12B08
-------------------------------	------------------------------------	--------------------------

Chemical name	
3-[(3E)-3-[(2,4-dimethoxyphenyl)methylidene]-5,6-dihydro-4H-pyridin-2-yl]pyridine dihydrochloride	
Synonyms	
GTS-21 HCl; GTS-21 hydrochloride; GTS-21; GTS 21; GTS21; DMBX-A	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Code#: 522507 Name: GTS-21 HCl CAS#: 156223-05-1 (HCl) Lot# C7R12B08 Chemical Formula: C ₁₉ H ₂₂ Cl ₂ N ₂ O ₂ Molecular Weight: 381.3

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)	>98.0%
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