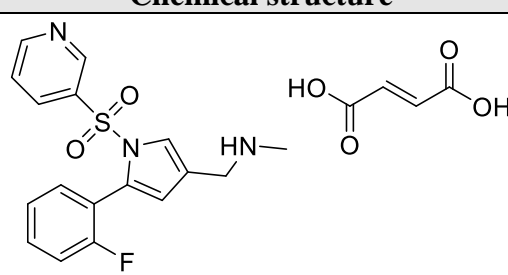


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
504150	Vonoprazan Fumarate	T7K09C25

Chemical name	
1-(5-(2-fluorophenyl)-1-(pyridin-3-ylsulfonyl)-1H-pyrrol-3-yl)-N-methylmethanamine fumarate	
Synonyms	
TAK438, TAK-438, TAK 438, Vonoprazan Fumarate, Vonoprazan, Takecab	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 504150 Name: Vonoprazan Fumarate CAS#: 1260141-27-2 Lot# T7K09C25 Chemical Formula: C ₂₁ H ₂₀ FN ₃ O ₆ S Exact Mass: Molecular Weight: 461.46

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 d6-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