

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB2138	 <chem>CNCCOC(=O)C=Cc1ccc(C(F)(F)F)cc1</chem> $C_4H_4O_4$
Compound name	Fluvoxamine maleate	
Chemical name	(E)-5-Methoxy-1-[4-(trifluoromethyl)phenyl]-1-pentanone-O-(2-aminoethyl)oxime maleate	
Batch number	E2212-1-1	
Batch molecular formula	$C_{15}H_{21}F_3N_2O_2 \cdot C_4H_4O_4$	
Batch molecular weight	434.41	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity as two peaks	Meets specification: 100%
NMR	1H NMR in D_2O at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 50% PAW/BuOH shows one spot under $KMnO_4$	Meets specification: $R_f=0.65$
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (10 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

04/04/2023

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.