

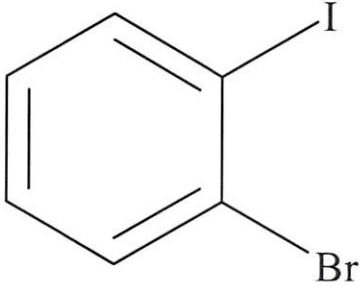
Certificate of Analysis

Certificate No.: 20231228015



Date: December 28, 2023

Retest date: December 26, 2026

Compound Name: Vortioxetine Impurity 62	
Synonyms:	1-bromo-2-iodobenzene
TLC Catalogue Number:	V-043072
CAS Number:	583-55-1
Molecular Weight:	282.91
Molecular Formula:	C ₆ H ₄ BrI
Source:	TLC Pharmaceutical Standards
Source Lot No.:	4420-055A1
Storage Conditions:	Store at 2-8 °C
Solubility:	Methanol, DMSO



Test Description	Specifications	Results
Visual Description	Colorless liquid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	99.4%
Impurity (HPLC)	RT 5.68, 0.23%	
Water Content (KF)	N/A	0.1%
Residual Solvents (NMR)	No residual solvent	
Assay (%)	Not less than 90.0%	99.3%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		01/04/2024
Approved by:	Quality Assurance		01/04/2024

Attachments: HPLC, IR, MS and NMR spectra.