

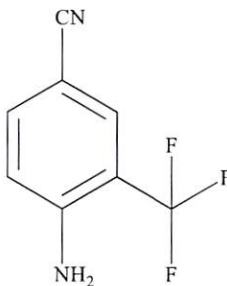
Certificate of Analysis

Certificate No.: 20250106502



Date: January 6, 2025

Retest date: December 24, 2027

Compound Name: Bicalutamide Impurity 4	
Synonyms:	4-amino-3-(trifluoromethyl)benzonitrile
TLC Catalogue Number:	B-0225
CAS Number:	327-74-2
Molecular Weight:	186.14
Molecular Formula:	C ₈ H ₅ F ₃ N ₂
Source:	TLC Pharmaceutical Standards
Source Lot No.:	3691-045A2
Storage Conditions:	Store at 2-8 °C
Solubility:	Methanol



Test Description	Specifications	Results
Visual Description	Pale yellow solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	100.0%
Impurity (HPLC)	N/A	
Water Content (KF)	N/A	0.0%
Residual Solvents (NMR)	0.2% <i>n</i> -hexane	
Assay (%)	Not less than 90.0%	99.8%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		01/07/2025
Approved by:	Quality Assurance		01/07/2025

Attachments: Peak Attribution Table, HPLC, IR, MS and NMR spectra.