

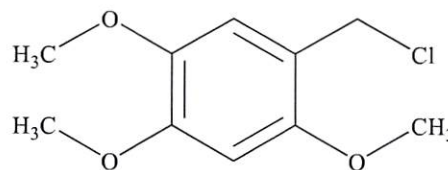
Certificate of Analysis

Certificate No.: 20260526002



Date: May 26, 2026

Retest date: May 21, 2027

Compound Name: Acotiamide Impurity 47	
Synonyms:	1-(chloromethyl)-2,4,5-trimethoxybenzene
TLC Catalogue Number:	A-140014
CAS Number:	53811-44-2
Alternate CAS Number:	N/A
Molecular Weight:	216.66
Molecular Formula:	C ₁₀ H ₁₃ ClO ₃
Source:	TLC Pharmaceutical Standards
Source Lot No.:	7393-055A2
Storage Conditions:	Store at -20 °C
Solubility:	DMSO, Acetonitrile



Test Description	Specifications	Results
Visual Description	Blue solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (GC)	Not less than 95.0%	97.0%
Impurity (GC)	RT 8.33, 0.23%; RT 10.14, 0.10%; RT 14.60, 2.57%	
Residual Solvents (NMR)	0.1% ethyl acetate	
Assay (qNMR)	Not less than 90.0%	98.3%
Recommendation:	Release. The compound contains 2.6% impurity with MW = 348 (RT 14.60) according to its GC and GC-MS. Purity by GC is provided for reference only.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		05/26/2026
Approved by:	Quality Assurance		05/26/2026

Attachments: Peak Attribution Table, Assay Calculation, GC, IR, MS and NMR spectra.