

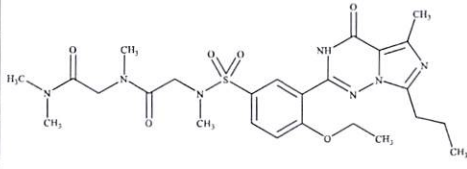
Certificate of Analysis

Certificate No.: **20260608010**



Date: June 8, 2026

Retest date: June 4, 2029

Compound Name: Vardenafil Impurity 28 (KD-027)	
Synonyms:	<i>N</i> -(2-(dimethylamino)-2-oxoethyl)-2-((4-ethoxy- <i>N</i> -methyl-3-(5-methyl-4-oxo-7-propyl-3,4-dihydroimidazo[5,1- <i>f</i>][1,2,4]triazin-2-yl)phenyl)sulfonamido)- <i>N</i> -methylacetamide
TLC Catalogue Number:	V-0553
CAS Number:	933796-16-8
Alternate CAS Number:	N/A
Molecular Weight:	561.66
Molecular Formula:	C ₂₅ H ₃₅ N ₇ O ₆ S
Source:	TLC Pharmaceutical Standards
Source Lot No.:	7403-068A2
Storage Conditions:	Store at 2-8 °C
Solubility:	Methanol, DMSO, DMF



Test Description	Specifications	Results
Visual Description	White to off-white 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	
Residual Solvents (NMR)	0.5% methanol	
Assay (qNMR)	Not less than 90.0%	97.4%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/08/2026
Approved by:	Quality Assurance		06/08/2026

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