

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMS002061-01)

**Release Date:** 10/04/2025

**Re-test Date:** 09/04/2028

## **SILDENAFIL NITROAMIDE IMPURITY A**

### **Identification**

**Chemical Name :**

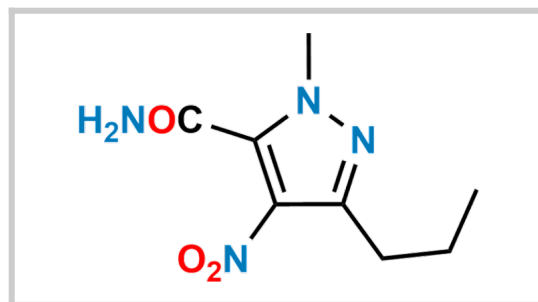
1-Methyl-4-nitro-3-n-propyl pyrazole-5-carboxamide

**CAT No.** : KMS002061

**CAS No.** : 139756-01-7

**Molecular Formula** : C<sub>8</sub>H<sub>12</sub>N<sub>4</sub>O<sub>3</sub>

**Molecular Weight** : 212.2



### **Analytical Information**

**Batch No.** : S002061-091-318

**Description** : Off white solid

**HPLC Purity** : 99.97 %

**Weight Loss By TGA** : 0.09 %

**% Potency** : 99.88 %

**Solubility** : Acetonitrile

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

### **Additional Information**

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be Shipped at Room Temperature

**% Potency** = [100 - 0.09(Weight Loss By TGA)] x [99.97(HPLC Purity)]/100 = 99.88 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		11/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		11/04/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA