

CERTIFICATE OF ANALYSIS

(Certificate No. SZ-C062006-0827)

Analysis Date: 13/08/2020

Re-test Date: 30/01/2022

Caffeine EP Impurity E

Identification

Chemical Name : N,1-dimethyl-4-(methylamino)-1H-imidazole-5-carboxamide

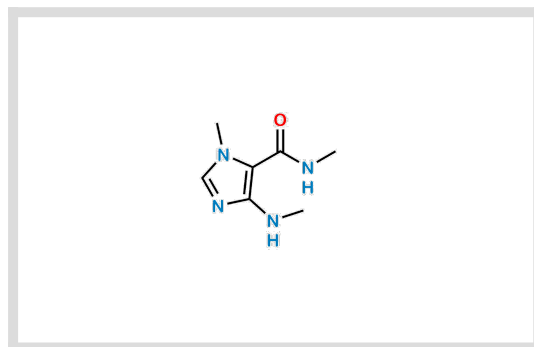
CAT No. : SZ-C062006

CAS No. : 20041-90-1

Molecular Formula : C₇H₁₂N₄O

Molecular Weight : 168.2

Synonyms : Caffeidine



Analytical Information

Batch Code	: SRL-330-189	HPLC Purity	: 99.16 %
Solubility	: ACN:Water (80:20)	Mass	: Confirm
Appearance of product	: Off White Solid	IR Analysis	: Confirm
Long Term Storage	: 2-8 °C for long term storage	¹ H NMR	: Confirm
Weight Loss By TGA	: 0.6157 %	¹³ C NMR	: Confirm
Residue On Ignition	: 0.7821 %		

Additional Information

% Potency = [100 - 0.6157(Wt loss by TGA) - 0.7821(ROI)] X [99.16 (HPLC Purity)] / 100
= 97.77 %

Recommendation : Released

Department

Signature

Date

Prepared and Reviewed by	Analytical		
Approved By	Quality Control		

Attachments : HPLC, Mass, NMR, IR, TGA, CMR, ROI

Shipping Condition : All Products are stable to be shipped at room temperature, unless otherwise specified.