

Analysis Date: 23-09-2024

Re-test Date: 23-09-2027

## MITOMYCIN EP IMPURITY A

### Identification

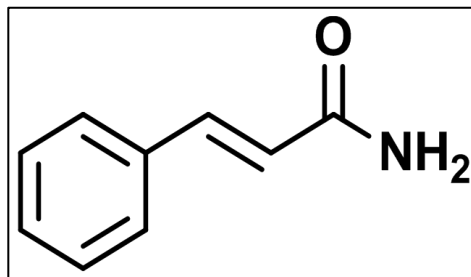
Chemical Name : (E)-3-Phenylprop-2-enamide

CAT No : ALL-MIT-2

CAS No : 621-79-4

Molecular Formula : C<sub>9</sub>H<sub>9</sub>NO

Molecular Weight : 147.17



### Analytical Information

Batch Number : ALL-MIT-2

HPLC Purity : 98.00%

Solubility : MeOH: ACN

Potency : 95.71 %

Appearance of Product : Off White Solid

Mass : Confirm

Long Term Storage : 2-8 0C

IR Analysis : Confirm

Weight Loss By TGA : 1.483 %

<sup>1</sup>HNMR : Confirm

Residue Of Ignition : 0.849 %

### Additional Information

$$\begin{aligned} \% \text{Potency} &= [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 = \\ &= [100 - (1.483 + 0.849) \times 98.00] / 100 = 95.71\% \end{aligned}$$

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

Attachment : HPLC, Mass, <sup>1</sup>H NMR, IR, TGA

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

### Corporate Office

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