

Analysis Date: 24-09-2025

Re-test Date: 24-09-2028

## SITAGLIPTIN FP IMPURITY E

### Identification

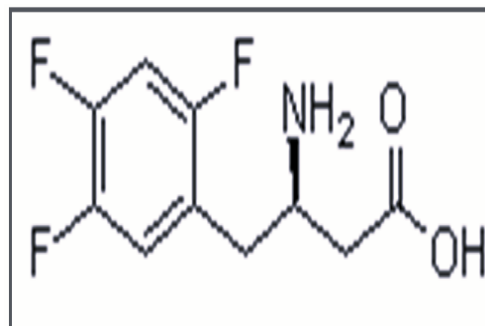
**Chemical Name** : (3R)-3-Amino-4-(2,4,5-trifluorophenyl)butanoic acid

**CAT No** : ALL-SIT-2058

**CAS No** : 936630-57-8

**Molecular Formula** : C<sub>10</sub>H<sub>10</sub>F<sub>3</sub>NO<sub>2</sub>

**Molecular Weight** : 233.19



### Analytical Information

**Batch Number** : ALL-SIT-2058

**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>H NMR** : 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

Allmpus Laboratories Pvt Ltd 38, Solitaire Industrial Estate, Plot No.TS-1, Near Nandi Palace Hotel, MIDC-Phase 1, Dombivli (E), Mumbai, Maharashtra 421203