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## CERTIFICATE OF ANALYSIS

Analysis Date: Jun 2025

Re-test Date: May 2028

**Product Name: Darunavir Impurity 18**

### Identification:

Chemical Name: Tert-Butyl [(1S,2R)-1-Benzyl-2-hydroxy-3-(isobutylamino)propyl]carbamate

Synonyms : NA

CAS Number : 160232-08-6

CAT Number : CP-D70040

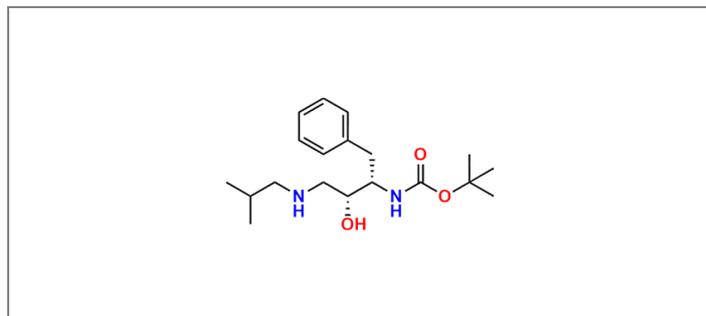
Molecular Formula : C<sub>19</sub>H<sub>32</sub>N<sub>2</sub>O<sub>3</sub>

Molecular Weight : 336.48

Batch Number : CP-DAR-18-0625

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.75%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	IR	Confirm to Structure
7)	Weight loss by TGA	0.130%
8)	Potency by TGA	99.62%



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**

Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.