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## CERTIFICATE OF ANALYSIS

Analysis Date:

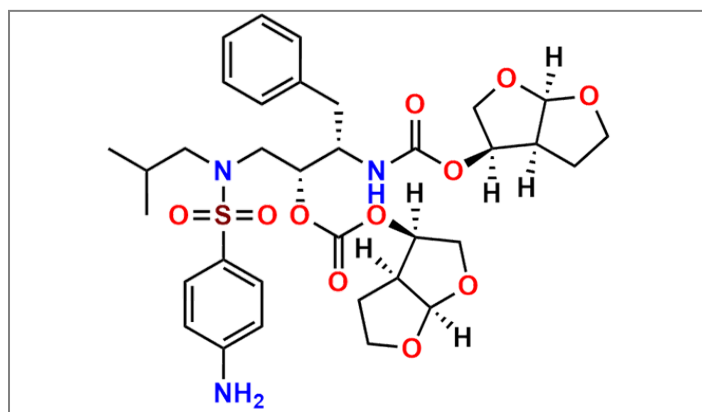
Re-test Date:

**Product Name: Darunavir Impurity 4**

### Identification:

Chemical Name: (3R,3aS,6aR)-Hexahydrofuro[2,3-b]furan-3-yl ((2S,3R)-4-((4-amino-N-isobutylphenyl)sulfonamido)-3-((((3R,3aS,6aR)-hexahydrofuro[2,3-b]furan-3-yl)oxy)carbonyl)oxy)-1-phenylbutan-2-yl)carbamate

Synonyms : NA  
CAS Number : 1291087-81-4  
CAT Number : CP-D70026  
Molecular Formula : C<sub>34</sub>H<sub>45</sub>N<sub>3</sub>O<sub>11</sub>S  
Molecular Weight : 703.8



### Analytical Information:

| Sr. No. | Test           | Result                   |
|---------|----------------|--------------------------|
| 1)      | Description    | Solid                    |
| 2)      | Solubility     | Soluble in Methanol/DMSO |
| 3)      | MASS By LCMS   | Confirm to structure     |
| 4)      | Purity By HPLC | >95%                     |
| 5)      | H1NMR          | Confirm to structure     |



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

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