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## CERTIFICATE OF ANALYSIS

Analysis Date:

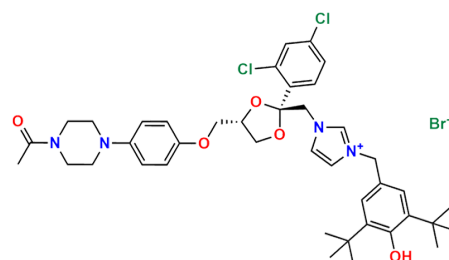
Re-test Date:

**Product Name: Ketoconazole Impurity 36**

### Identification:

Chemical Name: rel-1-(((2R,4S)-4-((4-(4-acetylpiperazin-1-yl)phenoxy)methyl)-2-(2,4-dichlorophenyl)-1,3-dioxolan-2-yl)methyl)-3-(3,5-di-tert-butyl-4-hydroxybenzyl)-1H-imidazol-3-ium bromide

Synonyms : NA  
CAS Number : NA  
CAT Number : CP-K2046  
Molecular Formula : C<sub>41</sub>H<sub>51</sub>Cl<sub>2</sub>N<sub>4</sub>O<sub>5</sub> : Br  
Molecular Weight : 750.78 : 79.90



### 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.