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CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

Product Name: Diltiazem EP Impurity D

Identification:

Chemical Name: (2S,3S)-5-[2-(Methylamino)ethyl]-2-(4-methoxyphenyl)-4-oxo-2,3,4,5-tetrahydro-1,5-benzothiazepin-3-yl acetate

Synonyms : N-Desmethyl Diltiazem
Hydrochloride

CAS Number : 86408-45-9

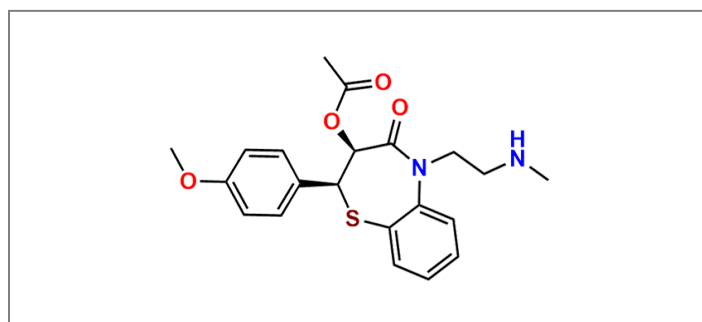
CAT Number : CP-D22004

Molecular Formula : C₂₁H₂₄N₂O₄S

Molecular Weight : 400.49

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 | Solid |
| 2) | Solubility | Soluble in Methanol/DMSO |
| 3) | MASS By LCMS | Confirm to structure |
| 4) | Purity By HPLC | >95% |
| 5) | ¹ H NMR | Confirm to structure |
| 6) | IR | Confirm to Structure |



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.