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## CERTIFICATE OF ANALYSIS

Analysis Date:

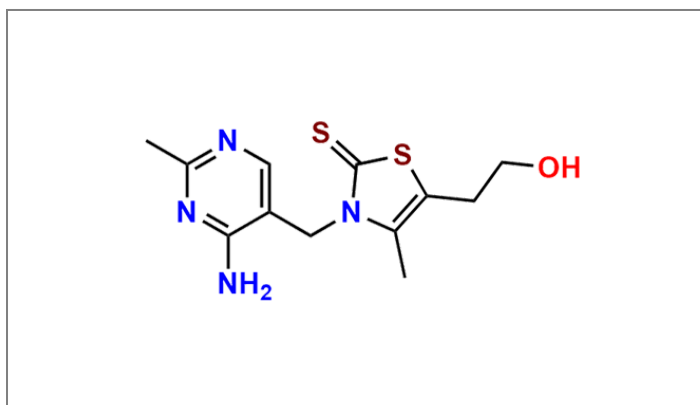
Re-test Date:

**Product Name: Thiamine EP Impurity E**

### Identification:

Chemical Name: 3-[(4-Amino-2-methylpyrimidin-5-yl)methyl]-5-(2-hydroxyethyl)-4-methyl-1,3-thiazol-2(3H)-thione

Synonyms : NA  
CAS Number : 299-35-4  
CAT Number : CP-T2016  
Molecular Formula : C<sub>12</sub>H<sub>16</sub>N<sub>4</sub>O<sub>2</sub>S  
Molecular Weight : 296.41



### 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     |
| 6)      | IR                 | Confirm to structure     |
| 7)      | Weight loss by TGA | -                        |
| 8)      | Potency by TGA     | -                        |

**Prepared and Reviewed By**

**Approved By**




Ms Priyanka Salunkhe  
(Manager QC Analytical)



Ms Rohini Gagare  
(QA Head)

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