Registered Address: Chemicea Pharmaceuticals Pvt Ltd, Platinum Springs,
Unit No- A- 205&206 Second floor, Plot No: G-6, G-20 to G 24, Taloja- MIDC, Opp. Dena Bank
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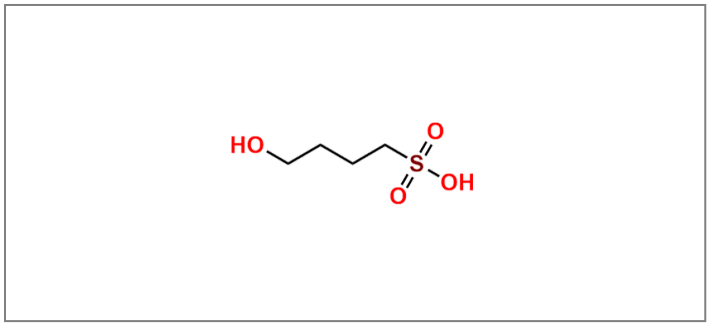
# CERTIFICATE OF ANALYSIS

Analysis Date: Nov 2025 Re-test Date: Oct 2028

**Product Name: Busulfan Impurity 3**

**Identification:**

Chemical Name: 4-Hydroxybutane-1-sulfonic Acid




| | | |
|---|---|---|
| Synonyms | : | NA |
| CAS Number | : | 26978-64-3 |
| CAT Number | : | CP-B23002 |
| Molecular Formula | : | C4H10O4S |
| Molecular Weight | : | 154.2 |
| Batch Number | : | CP-BUS-03-0325 |
| 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 Highly Hygroscopic Solid |
| 2) | Solubility | Soluble in Methanol/DMSO |
| 3) | MASS By LCMS | Confirm to structure |
| 4) | Assay By QNMR | 98.39% |
| 5) | 1HNMR | Confirm to structure |
| 6) | 13CNMR | Confirm to Structure |
| 7) | IR | Confirm to Structure |
| 8) | Weight loss by TGA | 2.080% |

**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.