



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-201090  
Lot Number: SAMPLE  
Product Name: Dimaprit·2HCl  
CAS Number: 23256-33-9  
Molecular Formula:  $C_6H_{15}N_3S \cdot 2HCl$   
Molecular Weight: 234.2

| Test                               | Specification   | Result         |
|------------------------------------|---|----------------|
| Appearance                         | White to off-white solid  | White solid    |
| Microanalysis                      | Elemental analysis within 0.4 of expected result for each element tested      | Complies       |
| Identification (NMR)               | Consistent with structure and shows <1% of any other impurity                 | Complies       |
| Identification (Mass Spectrometry) | Electrospray positive analysis shows mass ion corresponding to $[M-2HCl+H]^+$ | Massion: 162.1 |
| TLC                                | Single spot, $R_f = 0.51$   | Complies       |
| Solubility                         | Soluble in water to 100 mM  | Complies       |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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