



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-482950  
Lot Number: SAMPLE  
Product Name: 4,4'-[[[(1-Methylethyl)imino]bis[(2-hydroxy-3,1-propanediyl)oxy]]bis-benzeneacetamide (Atenolol Impurity F)  
CAS Number: 87619-83-8  
Molecular Formula:  $C_{25}H_{35}N_3O_6$   
Molecular Weight: 473.56

| Test                               | Specification            | Result                         |
|------------------------------------|--------------------------|--------------------------------|
| Appearance                         | White to off-white solid | White solid                    |
| Identification (NMR)               | Conforms to structure    | Complies                       |
| Identification (Mass Spectrometry) | Conforms to structure    | Complies                       |
| Purity (HPLC)                      | > 95 %                   | 97.16 % (225 nm)               |
| Purity (TLC)                       |                          | 95 %                           |
| Solubility                         |                          | Methanol (Slightly, Sonicated) |

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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