

C10 bisphosphonate

1-aminodecane-1,1-bisphosphonic acid

860480P-500ug

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| | |
|--------------------------|--|
| Molecular Weight | 317.256 |
| Chemical Formula | C ₁₀ H ₂₅ NO ₆ P ₂ |
| Physical State | Powder |
| Storage | -20°C |
| Expiration Date | One year from date of receipt |
| M Lot Number | 5946PFB011 |
| Avanti Lot Number | 860480P-500UG-B-011 |

| ANALYSIS | SPECIFICATION | RESULTS |
|----------------------|---|--------------------------------|
| Physical examination | Powder: White solid which contains no foreign matter. | Pass |
| TLC | >99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot | All Pass |
| Proton NMR | NMR spectrum consistent with structure | consistent with structure |
| Phosphorus NMR | NMR spectrum consistent with structure | consistent with structure |
| Mass Spectroscopy | [M-H] ⁻ = 316.256 ± 1 amu | [M-H] ⁻ = 316.2 amu |

Approved by:

