

**C10 bisphosphonate**

1-aminodecane-1,1-bisphosphonic acid

860480P-500ug

Page 1 of 1

<b>Molecular Weight</b>	317.256
<b>Chemical Formula</b>	C <sub>10</sub> H <sub>25</sub> NO <sub>6</sub> P <sub>2</sub>
<b>Physical State</b>	Powder
<b>Storage</b>	-20 °C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	5946PFA011
<b>Avanti Lot Number</b>	860480P-500UG-A-011

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	<b>Powder:</b> 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] <sup>-</sup> = 316.256 ± 1 amu	[M-H] <sup>-</sup> = 316.2 amu

Approved by:

