

**PGE1-d9**

Prostaglandin E1-d9

**900113P-500ug**

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<b>Molecular Weight</b>	363.54
<b>Chemical Formula</b>	C <sub>20</sub> H <sub>25</sub> D <sub>9</sub> O <sub>5</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>	6660PFA010
<b>Avanti Lot Number</b>	900113P-500UG-A-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC (9:1 Chloroform: Methanol)	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	Positive Mode: [M+NH <sub>4</sub> ] <sup>+</sup> = 381.54 ± 1 amu and/or Negative Mode: [M-H] <sup>-</sup> = 362.54 ± 1 amu	[M+NH <sub>4</sub> ] <sup>+</sup> = 381.7 amu

Approved By:



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