

NuMega Resonance Labs

Fast Reliable Services

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September 16, 2025

NuMega Reference #

2507brom.183f

Bromantane
PO box 17063
Sarasota, FL
bromantanespray@protonmail.com

Quantitative Analysis Report

Bruker 500 MHz, AVII-500 and AV-500

Sample ID	Seltorexant
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Standard	Ethylene Carbonate
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Weight of Standard (wt _{st})	1.554
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Weight of Sample (wt _{sa})	7.806
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Assumed Sample Molecular Weight (MW _{sa})	407.45
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Standard Molecular Weight (MW _{st})	88.06
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Integration of Sample (I _{sa})	26.73
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Integration of Standard (I _{st})	100
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# of Equivalent Nuclei in Standard (n _{st})	4
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# of Equivalent Nuclei in Sample (n _{sa})	1
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Assigned Purity of Standard % (P)	99.71
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Purity %	98.2%
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Formula Used for Calculation:

$$WT\% = \frac{wt_{st}}{wt_{sa}} \times \frac{MW_{sa}}{MW_{st}} \times \frac{I_{sa}}{I_{st}} \times \frac{n_{st}}{n_{sa}} \times P$$