

# NuMega Resonance Labs

*Fast Reliable Services*

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Bromantane, LLC

NuMega Reference #

2211BROM.874

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## Quantitative Analysis Report

*Bruker 500 MHz, AVII-500 and AV-500*

Sample ID	Idebenone
Standard	Maleic acid
Weight of Standard (wt <sub>st</sub> )	2.942
Weight of Sample (wt <sub>sa</sub> )	10.044
Sample Molecular Weight (MW <sub>sa</sub> )	338.44
Standard Molecular Weight (MW <sub>st</sub> )	116.04
Integration of Sample (I <sub>sa</sub> )	173.72
Integration of Standard (I <sub>st</sub> )	100
# of Equivalent Nuclei in Standard (n <sub>st</sub> )	2
# of Equivalent Nuclei in Sample (n <sub>sa</sub> )	3
Assigned Purity of Standard % (P)	99.82
Purity %	98.8%

Formula Used for Calculation: 
$$WT\% = \frac{wt_{st}}{wt_{sa}} \times \frac{MW_{sa}}{MW_{st}} \times \frac{I_{sa}}{I_{st}} \times \frac{n_{st}}{n_{sa}} \times P$$