

## Comment on Stilbene Levels in Grape Cane of Different Cultivars in Southern Chile: Determination by HPLC-DAD-MS/MS Method

In their paper, Vergara et al.<sup>1</sup> determine the levels of various stilbenes, including the well-known *trans*-resveratrol, in grape canes from various cultivars in Chile. Vergara et al.<sup>1</sup> make the following statement: "The stilbene concentrations range between 2 and 5 g kg<sup>-1</sup> dry weight in grapevine cane, and according to Rayne et al.<sup>18</sup> the commercial value of resveratrol is between U.S. \$2000 and U.S. \$3000 per kilogram. Stilbene yields from cane waste could represent an agricultural byproduct valued between U.S. \$2000 and U.S. \$3000 per hectare.<sup>18</sup> However, a recent Web search of market prices for bulk grape resveratrol extracts from grapes showed a range between U.S. \$300 and U.S. \$970 for 1 kg of resveratrol, depending of its origin and degree of purity.<sup>19,20</sup>" References 19 and 20 that Vergara et al.<sup>1</sup> cite are the following Web links: ref 19 in ref 1 is <http://www.service-1.org>; ref 20 in ref 1 is <http://purebul.com/resveratrol>. As of this date, ref 19 in ref 1 is a generic search Web site that does not appear to have anything to do with the commercial prices of pure resveratrol, and ref 20 in ref 1 is a nonfunctional Web site. Furthermore, the target chemical market we were discussing in ref 2 (i.e., ref 18 in Vergara et al.<sup>1</sup>) was not restricted to "bulk grape resveratrol extracts from grapes". Rather, the interest is in potentially obtaining purified *trans*-resveratrol from grape cane extracts. A search of current pure *trans*-resveratrol costs on the Sigma-Aldrich Canada Web site (<http://www.sigmaaldrich.com/canada-english.html>) as of the date of writing obtains the following price: resveratrol, ≥99% (GC) (Sigma), R5010-500MG, CAD \$431.00. Thus, pure resveratrol is selling for \$431.00 per 0.5 g, or \$862,000 per kg assuming no economies of scale. It appears that Vergara et al.<sup>1</sup> need to reassess their economic analysis.

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#### Notes

The authors declare no competing financial interest.

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