Chalcone and flavanone derivatives are common known from their broad spectrum of biological activity, what is well documented in literature. Particularly interesting are results of their activity as potential inhibitors of acetylcholinesterase. This publication seems to be within the scope of journal. However it needs several corrections to be more acceptable for publication.

1. In introduction and in conclusion, short explanation of research novelty is needed.
2. In figure 1 carbon atoms should be numbered and also in structure of first compound in supplementary information.
3. In Materials and Methods detailed description of GC-MS method is necessary (carrier gas, detailed information about capillary column, kind of detector, temperature of detector and temperature of injector, temperature programme, etc.).
4. In Materials and Methods detailed information about used eluent in column chromatography should be given.
5. The numbering of carbon atoms in Figure 1 should be used to assign NMR signals to concrete protons.
6. Line 367 “trans” should be in italic.
7. Line 416 What is the reason, that in this research methoxyl groups are not an important factor for the antioxidant activity of flavone derivatives?
8. Line 448, line 452, line 459: Year of publication should be removed.
9. In text of manuscript should be emphasized that galantamine is a drug used in treatment of Alzheimer disease.
10. Obtained results of AChE inhibition should be discussed with results described in publication of Sukumaran et al. Molecules, 2016, 21, 955.
11. References should be formatted according to the requirements of the journal, for example, DOI number instead of CrossRef.