

To the management of
Actelion Pharmaceuticals Ltd, Allschwil

Zurich, 07 February 2017

Independent assurance report

We have undertaken a limited assurance engagement of the following quantitative key performance indicators (KPIs) disclosed in Actelion's Corporate Sustainability & Governance report for the reporting period ended 31 December 2016:

- Table on carbon footprint scope 1 and 2 (page 24)

Limitations of the engagement

Our engagement was limited to the KPIs listed above. We have not assessed the following KPIs or information disclosed in the report:

- Information other than the sustainability KPIs indicated above
- KPIs for the previous reporting periods
- Qualitative statements

Responsibility of Actelion's management

The management of Actelion is responsible for the preparation of the disclosed KPIs in accordance with the applicable criteria. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation of KPIs that are free from material misstatement, whether due to fraud or error.

Applicable criteria

Actelion defined as applicable criteria (hereafter "applicable criteria"):

- GHG Protocol Corporate Standard (Revised Edition)

A summary of the guidelines is presented on the Greenhouse Gas Protocol website (online at <http://www.ghgprotocol.org/files/ghgp/public/ghg-protocol-revised.pdf>). We believe that these criteria are a suitable basis for our review.

The quantification of greenhouse gases (GHG) is subject to inherent uncertainty because of incomplete scientific knowledge used to determine emissions factors and the values needed to combine emissions of different gases.

Our independence and quality control

We have complied with the independence and other ethical requirements of the Code of Ethics for Professional Accountants issued by the International Ethics Standards Board of Accountants, which is founded on the fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behaviour.

In accordance with International Standard on Quality Control 1, we maintain a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.



Our responsibility

Our responsibility is to express a limited assurance conclusion on the above mentioned KPIs based on the procedures we have performed and the evidence we have obtained. We conducted our limited assurance engagement in accordance with International Standard on Assurance Engagements 3410, Assurance Engagements on Greenhouse Gas Statements ("ISAE 3410"), issued by the International Auditing and Assurance Standards Board. That standard requires that we plan and perform this engagement to obtain limited assurance about whether the KPIs are free from material misstatement.

In accordance with the engagement agreement, our duty of care for this engagement only extends to the management of Actelion Pharmaceuticals Ltd.

A limited assurance engagement undertaken in accordance with ISAE 3410 involves assessing the suitability in the circumstances of Actelion's use of the applicable criteria as the basis for the preparation of the KPIs, assessing the risks of material misstatement of the KPIs whether due to fraud or error, responding to the assessed risks as necessary in the circumstances, and evaluating the overall presentation of the KPIs. A limited assurance engagement is substantially less in scope than a reasonable assurance engagement in relation to both the risk assessment procedures, including an understanding of internal control, and the procedures performed in response to the assessed risks. The procedures we performed were based on our professional judgment and included inquiries, observation of processes performed, inspection of documents, analytical procedures, evaluating the appropriateness of quantification methods and reporting policies, and agreeing or reconciling with underlying records.

Summary of work performed

Our limited assurance procedures included, amongst others, the following work:

- Inquiries of company's representatives responsible for collecting, consolidating and calculating the KPIs in order to assess the process of preparing the data, the reporting system, the data capture and compilation methods as well as internal controls to the extent relevant for the limited assurance engagement
- Inspection of the relevant documentation of the systems and processes for compiling, analyzing, and aggregating sustainability data and testing such documentation on a sample of basis
- Analytical procedures and inspection of documents on a sample basis with respect to the compilation and reporting of quantitative data

The procedures performed in a limited assurance engagement vary in nature and timing from, and are less in extent than for, a reasonable assurance engagement. Consequently the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had we performed a reasonable assurance engagement. Accordingly we do not express a reasonable assurance opinion about whether Actelion's KPIs have been prepared, in all material respects, in accordance with the applicable criteria.

Our conclusion

Based on the procedures we have performed and the evidence we have obtained, nothing has come to our attention that causes us to believe that the above mentioned KPIs are not prepared, in all material respects, in accordance with the applicable criteria.

Ernst & Young Ltd

Roger Müller
Partner

Chiara Rinaldi
Senior Manager