

Design for sustainability (DfS) scorecard



With our DfS scorecard, we drive sustainability improvement during the product development process through multiple product sustainability criteria divided into seven impact areas.

QuicTPD™

QuicTPD™: Ready-to-use kits for miniaturized/parallel synthesis of PROTACs



Impact areas

Results



MATERIALS

More than 90% mass reduction of the partial PROTAC and solvents compared to the baseline, thanks to the formulation of a custom kit tailored to the customer's use case with the appropriate amount of partial PROTAC required for screening, thereby avoiding unnecessary waste.



SUPPLIERS & MANUFACTURING

No change compared to baseline product in consideration of our DfS criteria.



PACKAGING

More than 95% reduction of external packaging of the pre-made kit compared to individual packs of partial PROTAC.
Corrugated product box has Forest Stewardship Council (FSC) certification for responsible sourcing.



ENERGY & EMISSIONS

More than 90% energy reduction due to simultaneous preparation and screening for 72 samples, as all partial PROTAC are in the same kit.



WATER

No purification step is required for screening with the new kit thanks to the pre-weighted partial PROTACs. This avoids on average 200ml of water per PROTAC, or 14.4 liters of water for 72 tests, while proportionally saving 96% of other reagents and alcohols.



USABILITY & INNOVATION

Ready-to-use kits with a mix of 72 partial PROTACS that are ready for screening instead of having to perform the preparation and purification of the 72 separate PROTACs.



CIRCULAR ECONOMY

No change compared to baseline product in consideration of our DfS criteria.

Baseline product: Existing manual workflow with the partial PROTACs