

Review of: "Compounds enhancing human sperm motility identified using a high-throughput phenotypic screening platform"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

This study performed a high-throughput screening platform to identify a large number of compounds that enhanced sperm motility.

Were evaluated a total of ~17,000 compounds from the following libraries: ReFRAME, Prestwick, Tocris, LOPAC, CLOUD, and MMV Pathogen Box 60 were screened, which identified 105 compounds that elicited an enhancing effect on sperm motility.

As limitations, we can highlight: (I) Compounds have been tested with prepared donor spermatozoa and only incubated for a short period of time; (II) was used prepared pooled of sperm to create screening batches of 3-5 donors.

In general, the study was well written and designed, and the work can be a starting point for studies on substances that can stimulate sperm motility.