



VITAS-M LABORATORY

COMPOUNDS FOR BIOLOGICAL SCREENING
AND LEAD OPTIMIZATION

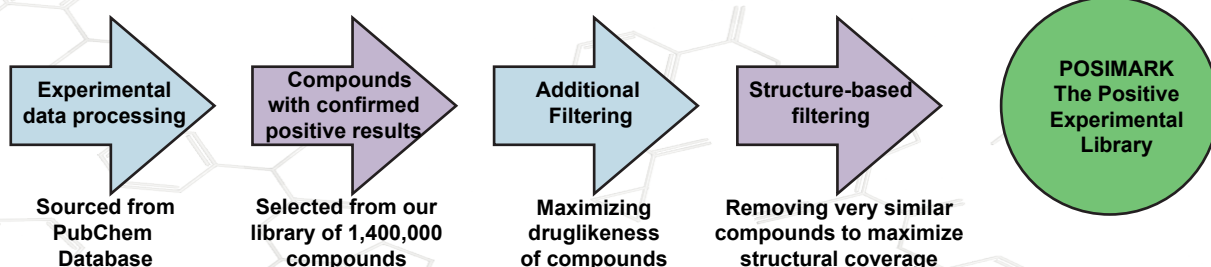
<https://www.vitasmlab.biz>

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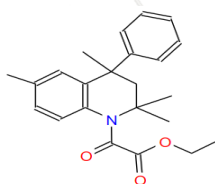
POSIMARK

The Positive Experimental Library

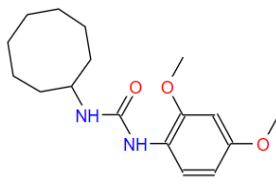
This library consists of compounds, that have demonstrated measurable activity in at least one experimental assay, sourced from the PubChem BioAssay database. Such a profile makes these compounds possess a higher probability of engaging biological targets, providing potential starting points for discovery. This library serves dual purposes in high-throughput screening: it provides a reliable positive control set for assay validation and optimization and it also acts as a resource for hit identification and expansion, offering a diverse collection of known bioactive chemotypes for screening against novel targets. Incorporating these compounds into HTS assay can confirm that the screening system can detect genuine biological activity before testing unknowns. This library can also assist researchers to accelerate the validation phase of discovery projects. It can provide a benchmark of activity to confirm that screening conditions are optimal and that positive signals from test compounds are detectable, ensuring that resources are invested in well-functioning assays capable of identifying promising mechanisms of action.



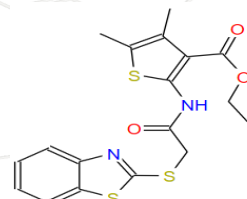
Example compounds



STK048150



STK493909



STK415389

The POSIMARK Library consists of compounds with confirmed experimental activity, which were selected based on results from PubChem BioAssay database as well as structural parameters. It only includes compounds with reported activity. This library was designed to provide a positive control for assay validation and to help with hit identification and HTS projects expansion. This library has 27381 compounds. All compounds follow RO5.

Distribution of Parameters

