MSTI Fluorescence High-Throughput Drug Assay

Catalogue number: 153815 Sub-type: Fluorescent Probe Images:

Contributor

Inventor: Institute: University of Wisconsin-Milwaukee Images:

Tool details

***FOR RESEARCH USE ONLY**

ools.org Name: MSTI Fluorescence High-Throughput Drug Assay

Alternate name:

Class:

Conjugate:

Description: This novel fluorescence-based high throughput assay allows for the detection of thiolreactive drug candidates that are likely to irreversibly interact with biological targets. These promiscuous inhibitors can be identified rapidly, in parallel, for small molecule screening libraries using 384 or 1536 well plate formats. Testing small molecules for their ability to modulate cysteine residues of proteins in the early stages of drug discovery is expected to increase efficiency and success of ev... **Purpose:**

Parental cell: **Organism:** Tissue: Model: Gender: **Isotype: Reactivity:** Selectivity: Host: Immunogen: Immunogen UNIPROT ID: Sequence: Growth properties: **Production details:**

Formulation: Recommended controls: Bacterial resistance: Selectable markers: Additional notes: â??More accurate â?? Less interference from molecules due to use of far red spectrumâ?? Faster â?? Can be used for high throughput screening (1536-well plate format)â?? More versatile â?? Identifies both electrophilic and redox reactive compoundsâ?? Stable product â?? Use of acetylated precursor allows for storage of the assay probe and itsreliable generation in situ

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Target details

Target:

Target alternate names:

Target background:

Molecular weight: 294.1

Ic50:

Applications

Application: Application notes:

Handling

Format: Concentration: Passage number: Growth medium: Temperature: Atmosphere: Volume: Storage medium: Storage buffer: Storage conditions: -20° C, protect from light Shipping conditions:

Related tools

Related tools:

References

References: Nowakowski et al. 2014. Metallomics. 6(5):1068-78. PMID: 24686569. ; Native SDS-PAGE: high resolution electrophoretic separation of proteins with retention of native properties including bound metal ions.

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