

Resource Summary Report

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NCATS Probes

RRID:SCR_005558

Type: Tool

Proper Citation

NCATS Probes (RRID:SCR_005558)

Resource Information

URL: <http://www.ncats.nih.gov/research/tools/preclinical/probes.html>

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Description: The NIH Chemical Genomics Center plays a role within the NIH Molecular Libraries Initiative (MLI), mandated to bring advanced technologies and expertise to researchers who lack the means to perform high-throughput screens and follow-up medicinal chemistry efforts as a means of identifying and optimizing small molecule probes of novel, unexplored cellular targets. These reagents offer the research community much-needed proof-of-concept pharmacological tools that may serve as starting points for therapeutic development into clinical agents. Results from these projects are disseminated to the scientific community through the publicly accessible PubChem database and via peer-reviewed publications. This highly collaborative program merges academic researchers' wide-ranging expertise within the study of new biochemical targets and pathways with the translational infrastructure of NCATS. To date, NCATS scientists, in collaboration with hundreds of extramural scientists, have developed more than 60 probes that are freely accessible to the scientific community. A number of these probes are highlighted below: * Project: Activators for Human Pyruvate Kinase M2 (hPK) as Leads in Cancer Therapeutics * Project: Inhibitors of Caspase 1 for the Treatment of Numerous Autoimmune and Inflammatory Diseases * Project: Inhibitors of 12-Human Lipoxygenase (12-hLO) for the Treatment of Diabetes and Clotting * Project: Inhibitors of Cruzain as Therapeutic Leads for Chagas Disease * Project: Inhibitors of NAD⁺-Dependent 15-Hydroxyprostaglandin Dehydrogenase (HPGD) for the Study of Prostaglandin's Role in Inflammation * Project: Inhibitors of Cdc2-Like Kinase 4 (Clk4) to Elucidate the Mechanism and Controlling Gene Splicing * Project: Agonists of the Thyroid Stimulating Hormone Receptor for the Treatment of Graves' Disease * Project: Identification of Inhibitors of the N370S Mutant Form of Glucocerebrosidase as a Potential Therapy for Gaucher Disease * Project: Identification of SMN Modulators for Potential SMA Disease Therapeutics * Project: Inhibitors of Platelet Integrin IIb3 * Project: Identification of Novel Small Molecule Antagonists of the Neuropeptide-S Receptor * Project: Inhibitors of Schistosoma mansoni Redox Cascade

Abbreviations: NCATS Probes

Resource Type: material resource, reagent supplier

Keywords: small molecule, probe, high-throughput screen

Resource Name: NCATS Probes

Resource ID: SCR_005558

Alternate IDs: nlx_144649

Record Creation Time: 20220129T080231+0000

Record Last Update: 20260905T133041+0000

Ratings and Alerts

No rating or validation information has been found for NCATS Probes.

No alerts have been found for NCATS Probes.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.