

Resource Summary Report

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GNPS MASST

RRID:SCR_025103

Type: Tool

Proper Citation

GNPS MASST (RRID:SCR_025103)

Resource Information

URL: <https://masst.gnps2.org>

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Description: Web application that is embedded in GNPS, which is community service. Web enabled mass spectrometry search engine for searches of all small molecule Mass Spectrometry data. Used to search single MS/MS spectrum against public GNPS spectral libraries and all public MS/MS datasets.

Abbreviations: MASST

Synonyms: , Global Natural Product Social Molecular Networking Platform Mass Spectrometry Search Tool, Mass Spectrometry Search Tool

Resource Type: data access protocol, software resource, source code, web service

Defining Citation: [PMID:31894142](#)

Keywords: Mass Spectrometry data, mass spectrometry search engine, small molecule,

Funding: Gordon and Betty Moore Foundation ;
SEED grant ;
Sloan Foundation

Availability: Free, Freely available

Resource Name: GNPS MASST

Resource ID: SCR_025103

Alternate URLs: https://github.com/mwang87/GNPS_MASST

License: LGPL-3.0

Record Creation Time: 20240318T174908+0000

Record Last Update: 20260912T200437+0000

Ratings and Alerts

No rating or validation information has been found for GNPS MASST.

No alerts have been found for GNPS MASST.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Shi C, et al. (2025) Machine learning- and multilayer molecular network-assisted screening hunts fentanyl compounds. Science advances, 11(36), eadw2799.

Ramirez-Ordorica A, et al. (2024) Volatile Semiochemicals Emitted by Beauveria bassiana Modulate Larval Feeding Behavior and Food Choice Preference in Spodoptera frugiperda (Lepidoptera: Noctuidae). Journal of fungi (Basel, Switzerland), 10(6).

Gomes PWP, et al. (2024) plantMASST - Community-driven chemotaxonomic digitization of plants. bioRxiv : the preprint server for biology.