| Category | Field Name | Type | Description |
|---|---|---|---|
| | uuid | string | A Universally Unique Identifier (also sometimes called a GUID) for the element. Most GSRS elements have a uuid to be used for tracking, processing and referencing a record (and any element of that record). |
| | definition_type | string | The type of definition ('primary' or 'alternative'). Primary definitions are the main descriptive form of the substance definition, while 'alternative' definitions may be seen as definitional 'synonyms' of some prim |
| | definition_level | string | The level of completeness and specificity of the definition (e.g. 'complete', 'incomplete', 'representative'). |
| | substance_class | string | This value wall always be 'reference' if it is intended as a real reference and 'mention' if it is a place-holder. However, it can also specify a full |
| | status | string | The current record status (e.g. 'pending', 'approved'). This is not a regulatory status, but simply the status of record validation and curation. |
| | version | string | The version of GSRS for which. |
| | approved_by | string | A string representing a user or entity which approved the assignment of UNII, or approval ID. |
| | notes | object | A list of notes for the record. |
| notes | note | string | Any note about the record that do not fit into other fields. |
| notes | access | string | Marking the record or element as belonging to certain groups for use in tracking which groups should receive visibility, export and/or inclusion |
| notes | references | string | A list of reference uuids, which refer back to the root record's references, essentially acting as footnotes. The included references are |
| notes | note | string | A string representing a user or entity which originally created the record (or element). |
| notes | created | string | A UNIX timestamp marking when the record (or element) was created (or sometimes exported) in its original form. |
| notes | last_edited | string | A UNIX timestamp marking when the record was last edited (or sometimes exported) to form the record (or element) in its current state. |
| notes | last_edited_by | string | A string representing a user or entity which last edited the record (or element). |
| notes | uuid | string | A Universally Unique Identifier (also sometimes called a GUID) for the element. Most GSRS elements have a uuid to be used for tracking, processing and referencing a record (and any element of that record). |
| | approval_id | string | The Unique Ingredient Identifier (UNII, aka 'Approval ID') is a unique ID generated for each substance record. |
| | tags | string | |
| | names | object | The list of names associated with a record. These include scientific, common, generic and brand names for substances and concepts. Name objects include both the name as a string, as well as other information |
| names | uuid | string | A Universally Unique Identifier (also sometimes called a GUID) for the element. Most GSRS elements have a uuid to be used for tracking, processing and referencing a record (and any element of that record). |
| names | name | string | The literal string text of a name. |
| names | type | string | The type of the name (bn, cn, sys, etc). |
| names | domains | string | The list of domains that this name is used in (e.g. 'drug', 'cosmetic', etc). |
| names | languages | string | A list of abbreviated languages that the name is in. |
| names | name_jurisdiction | string | The list of jurisdictions where that name is used. |
| names | name_orgs | object | |
| name_orgs | uuid | string | A Universally Unique Identifier (also sometimes called a GUID) for the element. Most GSRS elements have a uuid to be used for tracking, processing and referencing a record (and any element of that record). |
| name_orgs | name_org | string | The list of naming organizations that have marked this name as official in some way. |
| name_orgs | references | string | A list of reference uuids, which refer back to the root record's references, essentially acting as footnotes. The included references are considered to be the supporting origins of the data element in question. |
| names | preferred | string | True if this is the preferred name for the substance. |
| names | display_name | string | True if this is to be the displayed name for the substance. |
| names | references | string | A list of reference uuids, which refer back to the root record's references, essentially acting as footnotes. The included references are considered to be the supporting origins of the data element in question. |
| | codes | object | A list of codes of various systems and types. |
| codes | uuid | string | A Universally Unique Identifier (also sometimes called a GUID) for the element. Most GSRS elements have a uuid to be used for tracking, processing and referencing a record (and any element of that record). |
| codes | code_system | string | The orginizational system which defines the code meanings. |
| codes | code | string | The code value. |
| codes | type | string | The type of code (Primary, Alternative, Generic, etc.). |
| codes | url | string | The url to further information regarding this code. |
| codes | references | string | A list of reference uuids, which refer back to the root record's references, essentially acting as footnotes. The included references are considered to be the supporting origins of the data element in question. |
| | relationships | object | A list of related records which share any sort of hierarchical relationship with this record. |
| relationships | uuid | string | The UUID of the related substance. |
| relationships | related_substance | object | |
| related_subs | ref_pname | string | |
| related_subs | related_substance | string | A reference to the related substance (or concept) record. |
| related_subs | originator_uuid | string | The UUID of the equivalent inverted relationship (if present) on the other record. |
| related_subs | type | string | The type of the name (e.g. 'bn' for 'brand name', 'cn' for 'common name', and 'sys' for 'systematic name', etc). |
| related_subs | references | string | A list of reference uuids, which refer back to the root record's references, essentially acting as footnotes. The included references are considered to be the supporting origins of the data element in question. |
| relationships | originator_uuid | string | The UUID of the equivalent inverted relationship (if present) on the other record. |
| relationships | type | string | The type of relationship between the to records. For example, 'active moiety', 'metabolite->parent', or 'parent ->salt/solvent'. |
| relationships | references | string | A list of reference uuids, which refer back to the root record's references, essentially acting as footnotes. The included references are considered to be the supporting origins of the data element in question. |
| | references | object | A list of references. |
| references | uuid | string | A Universally Unique Identifier (also sometimes called a GUID) for the element. Most GSRS elements have a uuid to be used for tracking, processing and referencing a record (and any element of that record). |
| references | citation | string | The reference text or citation. |
| references | doc_type | string | The type of reference or document represented (e.g. 'INN', 'Journal Article', etc). |
| references | public_domain | string | A marking of whether the reference itself is known to be publicly accessible. |
| references | tags | string | A collection of strings which mark the reference as having specific properties (nomenclature, spectra, definition, etc). |
| | structure | object | |
| structure | id | string | The identifier of the structural element itself (this is still a UUID). |
| structure | digest | string | A hash of the raw structural information encoded. |
| structure | molfile | string | The chemical structure in MDL Molfile format (V2000). |

| structure | smiles | string | The chemical structure in SMILES format. | | | | | |
|---|---|---|---|---|---|---|---|---|
| structure | formula | string | The chemical formula of the record. | | | | | |
| structure | optical_activity | string | The optical activity or rotation of the material. '(+)' and '(-)' are used for optically active materials where activity is known and significantly useful for definition. '(+-)' is used for racemic mixtures. | | | | | |
| structure | stereo_centers | string | A count of possible stereocenters. | | | | | |
| structure | defined_stereo | string | A count of defined stereocenters. | | | | | |
| structure | ez_centers | string | A count of E/Z, or absolute double bond stereochemistry centers. | | | | | |
| structure | charge | string | The net charge of the structure. | | | | | |
| structure | molecular_weight | string | The molecular weight of the structure. | | | | | |
| structure | count | string | The exact number of times that the structure is repeated. | | | | | |
| structure | self | string | | | | | | |
| structure | hash | string | A hash of the defining structural information. Here, the lychi layer 4 is used. | | | | | |
| structure | stereochemistry | string | The structure's type of stereochemistry (absolute, achiral, racemic, etc.). | | | | | |
| structure | references | string | A list of reference uuids, which refer back to the root record's references, essentially acting as footnotes. The included references are considered to be the supporting origins of the data element in question. | | | | | |
| | moieties | object | A list of substances which are moieties of the record. | | | | | |
| moieties | uuid | string | A Universally Unique Identifier (also sometimes called a GUID) for the element. Most GSRS elements have a uuid to be used for tracking, processing and referencing a record (and any element of that record). | | | | | |
| moieties | id | string | The identifier of the structural element itself (this is still a UUID). | | | | | |
| moieties | digest | string | A hash of the raw structural information encoded. | | | | | |
| moieties | molfile | string | The tab delimited text that makes up the record's molfile. | | | | | |
| moieties | smiles | string | The ASCII string describing the records structure using the SMILES format. | | | | | |
| moieties | formula | string | The chemical formula of the record. | | | | | |
| moieties | optical_activity | string | The optical activity or rotation of the material, recorded using chirality prefixes or as UNSPECIFIED. | | | | | |
| moieties | stereo_centers | string | A count of possible stereocenters. | | | | | |
| moieties | defined_stereo | string | A count of defined stereocenters. | | | | | |
| moieties | ez_centers | string | A count of E/Z, or absolute double bond stereochemistry centers. | | | | | |
| moieties | charge | string | The net charge of the structure. | | | | | |
| moieties | molecular_weight | string | The molecular weight or relative molecular mass of the record. | | | | | |
| moieties | count | string | The exact number of times that the structure is repeated. | | | | | |
| moieties | self | string | | | | | | |
| moieties | hash | string | A hash of the defining structural information. Here, the lychi layer 4 is used. | | | | | |
| moieties | stereochemistry | string | The records type of stereochemistry(absolute, achiral, racemic etc.). | | | | | |
| moieties | references | object | | | | | | |
| references | uuid | string | A Universally Unique Identifier (also sometimes called a GUID) for the element. Most GSRS elements have a uuid to be used for tracking, processing and referencing a record (and any element of that record). | | | | | |
| references | citation | string | The reference text or citation. | | | | | |
| references | doc_type | string | The type of reference or document represented (e.g. 'INN', 'Journal Article', etc). | | | | | |
| references | public_domain | string | A marking of whether the reference itself is known to be publicly accessible. | | | | | |
| references | tags | string | A collection of strings which mark the reference as having specific properties (nomenclature, spectra, definition, etc). | | | | | |