GSRS Development Update

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GSRS Status

High level GSRS Core status

- GSRS 2.2 in production at FDA
- Public release of 2.2 by mid July
- GSRS 2.3 development
 - Porting certain FDA-enhancements to core code
 - Improving modularity
 - Additional features

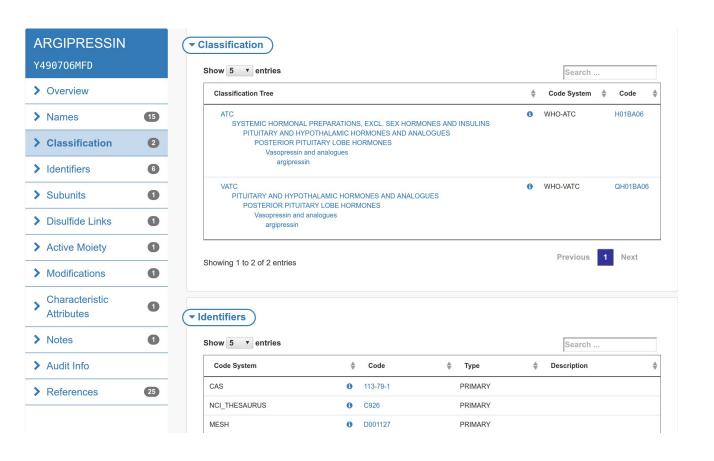


GSRS Status

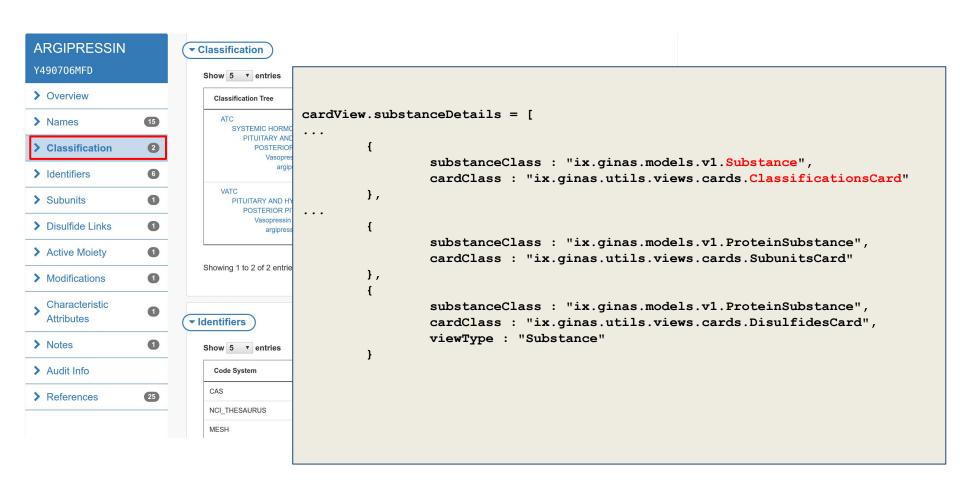
GSRS 2.2 Improvements

- Bug fixes
- Improved Modular UI for record views
 - "Cards" UI
- Additional Validation Rules
- Additional Configuration Options
 - Sequence Search Configuration Options
 - Cache Configuration Options
 - UI Configuration Options
 - Admin-level Configuration Options
- Improved Relationship Handling
- Improved Structure Resolver

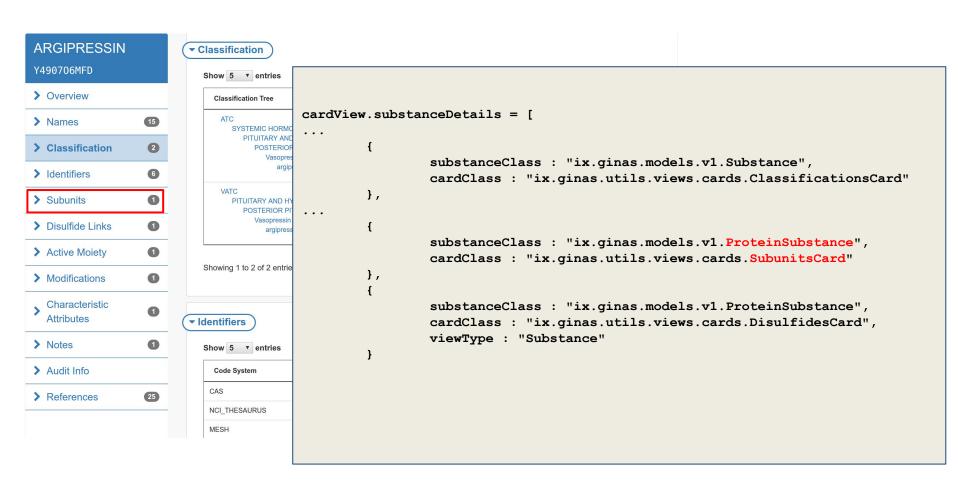














Cards UI Advantages

- Configurable via configuration file
 - No code changes / recompiling is required to adapt basic UI elements
- Extendable
 - FDA has ported their custom UI elements to this framework
 - Other customizations possible by implementing a specific Java Interface
- Modular
 - Extensions can now be separated from the main code base
- More Consistent
 - Previous ad-hoc customized UI elements often fell out-of-sync with major style changes



GSRS 2.2 OS Support: Windows

- Windows OS to no longer be officially supported for production deployments of GSRS
 - Justification:
 - Play! Framework does not officially support Windows deployments
 - The majority of configuration issues for external users of GSRS result from attempts to use Windows deployments
 - Workarounds exist for lack of direct Play! support, but are brittle
 - Build and execution helper scripts are challenging to maintain for both Windows and UNIX environments.
 - Every known production instance of GSRS is currently run from a UNIX-based environment
 - Notes:
 - Using Windows for development and testing is still supported.
 - A Windows deployment version may be available again in a different form.



GSRS 2.3 Status

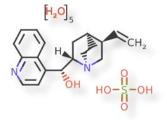
High level GSRS Core status

- GSRS 2.3 developments
 - Configurable / modular Validation Engine
 - Substance "Hierarchy" views
 - Porting of some FDA-specific enhancements to main code base



GSRS 2.3 Preview: Hierarchy

ABSOLUTE



Names: CINCHONIDINE, SULFATE (1:1), PENTAHYDRA...

CINCHONIDINE SULFATE PENTAHYDRATE

CINCHONAN-9-OL, (8.ALPHA.,9R)-, SULFATE (...

Codes: CAS: 5907-43-7

PUBCHEM: 71586828

Relationships:



C Q

Formula: C19H22N2O.5H2O.H2O4S

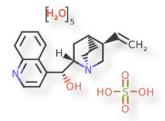
Mol Weight: 482.55

- Q CINCHONIDINE [1U622LRA8Z]

 - ♠ CINCHONIDINE HYDROCHLORIDE [694B15YWQK]
 - **Q CINCHONIDINE [1U622LRA8Z]**
 - ⊕ CINCHONIDINE SALICYLATE [Q1Y52JQ86J]
 - **◯** CINCHONIDINE SULFATE PENTAHYDRATE [P424MD870D]

GSRS 2.3 Preview: Hierarchy

ABSOLUTE





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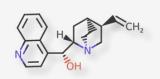
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CINCHONIDINE SULFATE ...

ABSOLUTE

CINCHONIDINE



1U622LRA8Z



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⊕ CINCHONIDINE SALICYLATE [Q1Y52JQ86J]

Q CINCHONIDINE SULFATE PENTAHYDRATE [P424MD870D]

GSRS Status

On the horizon

- GSRS 2.2 Public Release (July 2018)
 - New Public Data (July 2018)
- GSRS 2.2.1 FDA production roll-out (July 2018)
 - Maintenance Release
- GSRS 2.3 FDA production roll-out (August 2018)
- System-to-system communication pipeline (2018)
- Bug fixes (continual)
- Improved support for additional substance information (2018)

