

Voluntary Product Accessibility Template (VPAT)

Name of Product	Reaxys
Date	January 6, 2014
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Product Version Number	2.15859.10
Product Release Date	December, 2013
Testing Tools and Methods	Hands-on use Firefox Accessibility Extension v1.5.61 Wave Toolbar for Firefox
Guidelines used to complete this VPAT	http://evengrounds.com/articles/creating-an-effective-vpat

Applicable Sections

Section	Applicability	Remarks
Section 1194.21 Software Applications and Operating Systems	Applicable	Keyboard support for global navigation and form labels are incomplete, but ARIA tags have been added to support voice activation.
Section 1194.22 Web-based Internet Information and Applications	Applicable	Supports with Exceptions.
Section 1194.23 Telecommunications Products	Not Applicable	Reaxys is not a telecommunications product.
Section 1194.24 Video and Multi-media Products	Not Applicable	Reaxys is not a multimedia product.
Section 1194.25 Self-Contained, Closed Products	Not Applicable	Reaxys is not a self-contained product.
Section 1194.26 Desktop and Portable Computers	Not Applicable	Reaxys is not a computer.
Section 1194.31 Functional Performance Criteria	Applicable	Generally supports with assistive technology. The main functional concern is fine motor control for some rollovers.
Section 1194.41 Information, Documentation and Support	Applicable	Supports with exceptions.

Legend	Supports or Supports with Assistive Technology	Supports with Exceptions	Does not Support
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Section 1194.21

Software Applications and Operating Systems

Criteria	Supporting Features	Remarks
(a) When software is designed to run on a system that has a keyboard, product functions shall be executable from a keyboard where the function itself or the result of performing a function can be discerned textually.	Does not Support	The main navigation bar cannot be used with the keyboard. The tree structure in the Advanced Search cannot be expanded or collapsed.
(b) Applications shall not disrupt or disable activated features of other products that are identified as accessibility features, where those features are developed and documented according to industry standards. Applications also shall not disrupt or disable activated features of any operating system that are identified as accessibility features where the application programming interface for those accessibility features has been documented by the manufacturer of the operating system and is available to the product developer.	Supports	Microsoft "Ease of Access" features work, including items such as Narrator, Magnifier, On-Screen Keyboard, and High Contrast.
(c) A well-defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes. The focus shall be programmatically exposed so that Assistive Technology can track focus and focus changes.	Supports with Exceptions	Only the standard focus styling is applied so some elements are not easily spotted. The focus is tracked by Microsoft assistive technology as demonstrated by Narrator.
(d) Sufficient information about a user interface element including the identity, operation and state of the element shall be available to Assistive Technology. When an image represents a program element, the information conveyed by the image must also be available in text.	Supports with Exceptions	The product uses standard HTML form elements such as checkboxes and radio buttons which offer state information to assistive technology. Label tags are not used on all form elements.
(e) When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images shall be consistent throughout an application's performance.	Supports	The product uses very few status indicators. Images used for toolbar buttons are used consistently.

<p>(f) Textual information shall be provided through operating system functions for displaying text. The minimum information that shall be made available is text content, text input caret location, and text attributes.</p>	<p>Supports</p>	<p>The product uses standard methods for displaying text such as HTML and Javascript.</p> <p>All text information is believed to be accessible to assistive technology/screen readers.</p>
<p>(g) Applications shall not override user selected contrast and color selections and other individual display attributes.</p>	<p>Supports with Exceptions</p>	<p>High contrast mode works but not all visual elements are discernible. For instance toolbar icons are not visible.</p>
<p>(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.</p>	<p>Not Applicable</p>	<p>The product does not use animation.</p>
<p>(i) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.</p>	<p>Supports</p>	
<p>(j) When a product permits a user to adjust color and contrast settings, a variety of color selections capable of producing a range of contrast levels shall be provided.</p>	<p>Not Applicable</p>	<p>The product does not allow the user to change the contrast or color settings.</p>
<p>(k) Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and lower than 55 Hz.</p>	<p>Supports</p>	<p>The product does not have any flashing or blinking items.</p>
<p>(l) When electronic forms are used, the form shall allow people using Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.</p>	<p>Does not Support</p>	<p>Label tags are missing.</p>

Section 1194.22

Web-based Internet information and applications

Criteria	Supporting Features	Remarks
(a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).	Supports with Exceptions	The product is not generally dependent on images for functionality but some items such as breadcrumbs and chemical structures have structure diagrams that are not tagged.
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not Applicable	The product does not have multimedia.
(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	Supports	Some messages are supported by color but their text and context carry the same information.
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Supports	The literal requirement is met in that all content, notably search results, can be read without the styling, but there are portions of the product, such as query pages, where the absence of the stylesheet affects the usability despite being able to read all of the words.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Not Applicable	No server-side image maps are used.
(f) Client-side image maps shall be provided instead of server-side image maps except where the regions cannot be defined with an available geometric shape.	Not Applicable	No client-side image maps are used.
(g) Row and column headers shall be identified for data tables.	Supports with Exceptions	The main data table, the results listing, has table header tags for the columns but not rows.
(h) Markup shall be used to associate data cells and header cells for data tables that have two or more logical levels of row or column headers.	Does not Support	No scope tags identify the checkbox items that serve as row headings, but a recent test seemed to show that AT infers more of the table relationships directly from the structure without reliance on

		markup.
(i) Frames shall be titled with text that facilitates frame identification and navigation	Does not Support	Although interactive accessibility tools report missing titles the significance of frames in the product seems to be incidental.
(j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Supports	
(k) A text-only page, with equivalent information or functionality, shall be provided to make a web site comply with the provisions of this part, when compliance cannot be accomplished in any other way. The content of the text-only page shall be updated whenever the primary page changes.	Not Applicable	This is not a content site but a generated text and image retrieval system, so an alternate text version is not pertinent.
(l) When pages utilize scripting languages to display content, or to create interface elements, the information provided by the script shall be identified with functional text that can be read by Assistive Technology.	Supports with Exceptions	Regarding reading content, scripts are not used to display Reaxys content. Regarding script-driven interface elements such as onclick, onMouseover, or onChange, there are some interface items that become visible only on rollover and these may not be readable by AT.
(m) When a web page requires that an applet, plug-in or other application be present on the client system to interpret page content, the page must provide a link to a plug-in or applet that complies with §1194.21(a) through (l).	Not Applicable	Although Reaxy employs plugins to facilitate the drawing (input) of chemical structure diagrams, requirement M is about output—the displaying of content that would be hidden from some users because it is only rendered by accessibility-challenged plugins such as Flash. Reaxys does not have that circumstance.
(n) When electronic forms are designed to be completed on-line, the form shall allow people using Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.	Does not Support	Form labels are not used in all fields.

(o) A method shall be provided that permits users to skip repetitive navigation links.	Does not Support	
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not Applicable	The product does not present time-dependent responses.

Note to 1194.22: The Board interprets paragraphs (a) through (k) of this section as consistent with the following priority 1 Checkpoints of the Web Content Accessibility Guidelines 1.0 (WCAG 1.0) (May 5 1999) published by the Web Accessibility Initiative of the World Wide Web Consortium: Paragraph (a) - 1.1, (b) - 1.4, (c) - 2.1, (d) - 6.1, (e) - 1.2, (f) - 9.1, (g) - 5.1, (h) - 5.2, (i) - 12.1, (j) - 7.1, (k) - 11.4.

Section 1194.31

Functional Performance Criteria

Criteria	Supporting Features	Remarks
(a) At least one mode of operation and information retrieval that does not require user vision shall be provided, or support for Assistive Technology used by people who are blind or visually impaired shall be provided.	Supports when combined with Compatible AT	Basic operations are read by screen reader. Input of chemical structures can be done by text entry.
(b) At least one mode of operation and information retrieval that does not require visual acuity greater than 20/70 shall be provided in audio and enlarged print output working together or independently, or support for Assistive Technology used by people who are visually impaired shall be provided.	Supports when combined with Compatible AT	Support for Assistive Technology used by people who are visually impaired is available via Microsoft Magnifier.
(c) At least one mode of operation and information retrieval that does not require user hearing shall be provided, or support for Assistive Technology used by people who are deaf or hard of hearing shall be provided	Supports	The product does not rely on sound output to access its functionality or content.
(d) Where audio information is important for the use of a product, at least one mode of operation and information retrieval shall be provided in an enhanced auditory fashion, or support for assistive hearing devices shall be provided.	Not Applicable	Audio information is not important for the use of the product. (It is not needed at all.)
(e) At least one mode of operation and information retrieval that does not require user speech shall be provided, or support for Assistive Technology used by people with disabilities shall be provided.	Supports	The product does not require user speech.
(f) At least one mode of operation and information retrieval that does not require fine motor control or simultaneous actions and that is operable with limited reach and strength shall be provided.	Supports with Exceptions	The product does not require simultaneous actions, reach, or strength but does require fine motor control to use some rollover controls.

Section 1194.41 Information, Documentation and Support

Criteria	Supporting Features	Remarks
(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge	Supports with Exceptions	Some instructional materials are available without additional charge.
(b) End-users shall have access to a description of the accessibility and compatibility features of products in alternate formats or alternate methods upon request, at no additional charge.	Does not Support	
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports with Exceptions	Email and telephone support are available.