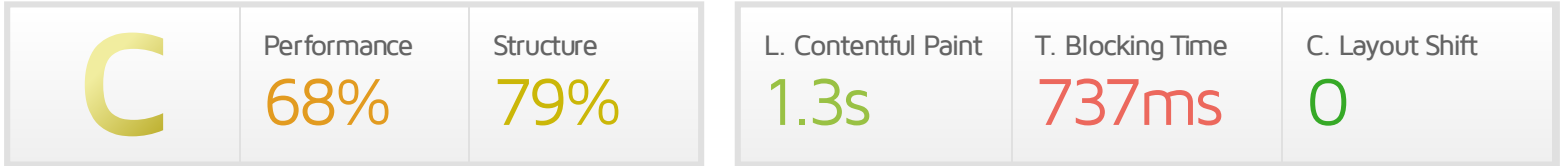




Performance Report for: <https://www.hyphadiscovery.com/>

Report generated: Tue, Mar 12, 2024 9:38 PM -0700
 Test Server Location: London, UK
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0



Top Issues

High	Avoid enormous network payloads <small>LCP</small>	Total size was 15.7MB
Med	Use explicit width and height on image elements <small>CLS</small>	2 images found
Med	Avoid an excessive DOM size <small>TBT</small>	1,667 elements
Med	Use a Content Delivery Network (CDN)	65 resources found
Med-Low	Avoid long main-thread tasks <small>TBT</small>	15 long tasks found

Page Details



Total Page Size - 12.7MB



Total Page Requests - 100



Legend: HTML JS CSS IMG Video Font Other

How does this affect me?

Today's web user expects a fast and seamless website experience. Delivering that fast experience can result in increased visits, conversions and overall happiness.

As if you didn't need more incentive, **Google has announced that they are using page speed in their ranking algorithm.**

About GTmetrix



GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 28 years experience in web technology.

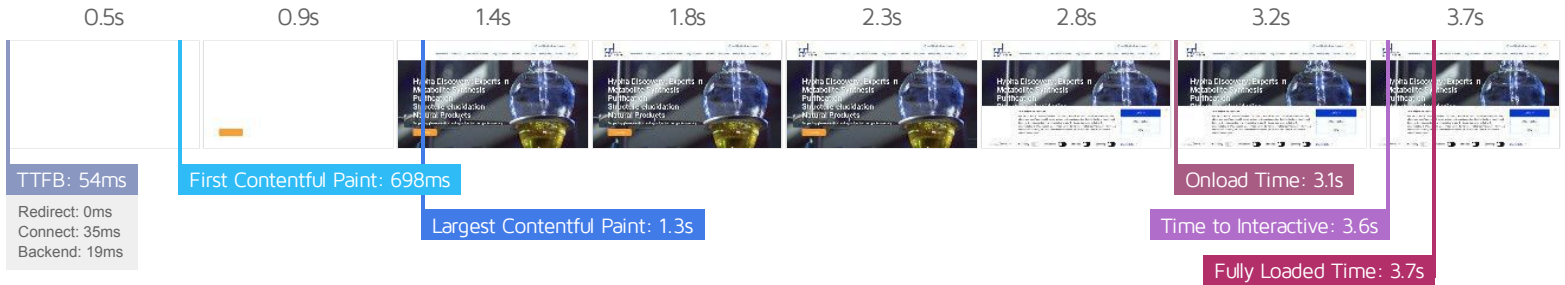
<https://carbon60.com/>

The waterfall chart displays the loading behaviour of your site in your selected browser. It can be used to discover simple issues such as 404's or more complex issues such as external resources blocking page rendering.

Hypha Discovery - Experts in metabolite synthesis, purification and MetID

Resource	Size	Load Time
/	200	59ms
css2?family=Roboto&dis...	200	140ms
uc.js	200	163ms
formidableforms.css?ver...	200	28ms
style.min.css?ver=6.4.3	200	28ms
css?family=Open+Sans%...	200	139ms
style.css?ver=1.0	200	34ms
elementor-icons.min.css?...	200	30ms
frontend.min.css?ver=3.1...	200	62ms
swiper.min.css?ver=5.3.6	200	34ms
post-56.css?ver=1685457...	200	51ms
frontend.min.css?ver=3.1...	200	149ms
global.css?ver=1685457491	200	63ms
post-5.css?ver=1708693687	200	64ms
post-10043.css?ver=1685...	200	64ms
ecs-style.css?ver=3.1.7	200	71ms
post-8111.css?ver=16249...	200	66ms
post-8138.css?ver=16249...	200	67ms
post-8238.css?ver=16249...	200	67ms
css?family=Roboto%3A1...	200	130ms
fontawesome.min.css?ve...	200	79ms
regular.min.css?ver=5.15.3	200	79ms
solid.min.css?ver=5.15.3	200	78ms
jquery.min.js?ver=3.7.1	200	129ms
jquery-migrate.min.js?ver...	200	86ms
scripts.min.js?ver=1.0.0	200	149ms
ecs_ajax_pagination.js?v...	200	89ms
ecs.js?ver=3.1.7	200	99ms
js?id=AW-1005401821	200	467ms
Hypha-15-PC-cropped-2-1...	200	149ms
Senior-Purification-Chemi...	200	463ms
Q4-2023-newsletter-thum...	200	476ms
Ivermectin-metabolites-p...	200	466ms
post-3250.css?ver=16854...	200	204ms
post-5118.css?ver=16854...	200	210ms
post-241.css?ver=168545...	200	357ms
post-143.css?ver=168552...	200	372ms
post-10034.css?ver=1685...	200	372ms
brands.min.css?ver=5.15.3	200	373ms
dynamic-conditions-publi...	200	374ms
smush-lazy-load.min.js?v...	200	375ms
imagesloaded.min.js?ver...	200	375ms
frm.min.js?ver=6.5.2	200	429ms
api.js?onload=frmRecapt...	200	445ms
webpack-pro.runtime.min...	200	378ms
webpack.runtime.min.js?...	200	388ms
frontend-modules.min.js?...	200	389ms
wp-polyfill-inert.min.js?ve...	200	390ms
regenerator-runtime.min.j...	200	391ms
wp-polyfill.min.js?ver=3.1...	200	426ms
hooks.min.js?ver=c6aec9...	200	414ms
i18n.min.js?ver=7701b0c...	200	415ms
frontend.min.js?ver=3.13.2	200	419ms

waypoints.min.js?ver=4.0.2	200	hyphadiscovery.com	3.16KB	420ms					
core.min.js?ver=1.13.2	200	hyphadiscovery.com	7.17KB	421ms					
frontend.min.js?ver=3.13.4	200	hyphadiscovery.com	12.3KB	422ms					
elements-handlers.min.js...	200	hyphadiscovery.com	7.01KB	423ms					
memvYaGs126MiZpBA-U...	200	fonts.gstatic.com	47.1KB	192ms					
gtm.js?id=GTM-WCNKB4P	200	googletagmanager.c...	91.7KB	149ms					
Hyphadiscovery-HP-mobi...	200	hyphadiscovery.com	67.5KB	68ms					
shutterstock_258627635-...	200	hyphadiscovery.com	14.0KB	37ms					
KFOICnqEu92Fr1MmWUif...	200	fonts.gstatic.com	15.5KB	108ms					
KFOICnqEu92Fr1MmEU9f...	200	fonts.gstatic.com	15.5KB	115ms					
KFOmCnqEu92Fr1Mu4mx...	200	fonts.gstatic.com	15.4KB	116ms					
fa-solid-900.woff2	200	hyphadiscovery.com	76.4KB	128ms					
fa-regular-400.woff2	200	hyphadiscovery.com	13.0KB	117ms					
Hypha-5-recombinant-enz...	200	hyphadiscovery.com	68.7KB	19ms					
Map.png	200	hyphadiscovery.com	84.2KB	12ms					
Temp-Image-1.jpg	200	hyphadiscovery.com	22.7KB	7ms					
shutterstock_141647104-f...	200	hyphadiscovery.com	136KB	15ms					
fa-brands-400.woff2	200	hyphadiscovery.com	61.9KB	356ms					
KFOICnqEu92Fr1MmSU5f...	200	fonts.gstatic.com	15.4KB	358ms					
KFOjCnqEu92Fr1Mu51Tj...	200	fonts.gstatic.com	17.1KB	367ms					
eicons.woff2?5.20.0	200	hyphadiscovery.com	92.0KB	374ms					
shutterstock_530971462.jpg	200	hyphadiscovery.com	54.9KB	12ms					
Logo-Emblem.svg	200	hyphadiscovery.com	5.94KB	17ms					
fa-brands-400.woff2	200	hyphadiscovery.com	75.0KB	178ms					
hyphalogo.svg	200	hyphadiscovery.com	5.32KB	29ms					
js?id=G-TB38CZCN2S&l=...	200	googletagmanager.c...	96.6KB	44ms					
recaptcha_en.js	200	gstatic.com	199KB	66ms					
bc-v4.min.html	200	consentcdn.cookieb...	392B	75ms					
cc.js?renew=false&refere...	200	consent.cookiebot.com	81.4KB	49ms					
dialog.min.js?ver=4.9.0	200	hyphadiscovery.com	3.63KB	12ms					
anchor?ar=1&k=6LeDDvs...	200	google.com	28.2KB	61ms					
text-editor.2c35aafbe5bf0...	200	hyphadiscovery.com	888B	9ms					
carousel.9b02b45d7826c1...	200	hyphadiscovery.com	1.88KB	8ms					
styles_ltr.css	200	gstatic.com	24.0KB	58ms					
recaptcha_en.js	200	gstatic.com	199KB	67ms					
5051834-hd-separating-fu...	(incomplete)	hyphadiscovery.com	9.00MB	>1.5s					
POST landing?gcs=G100...	200	pagead2.google synd...	42B	98ms					
aczUY4RjooCOJhduSGO...	200	google.com	7.19KB	13ms					
logo_48.png	200	gstatic.com	2.18KB	8ms					
KFOmCnqEu92Fr1Mu4mx...	200	fonts.gstatic.com	15.0KB	97ms					
KFOICnqEu92Fr1MmEU9f...	200	fonts.gstatic.com	15.2KB	96ms					
webworker.js?hl=en&v=0...	200	google.com	135B	26ms					
swiper.min.js?ver=5.3.6	200	hyphadiscovery.com	35.4KB	34ms					
hp-circle-bg.png	200	hyphadiscovery.com	482KB	23ms					
1.gif?dgi=fe540166-f7cf-4...	200	imgscat.cookiebot.com	737B	156ms					
hd%20of%20logo%20(1)....	404	hyphadiscovery.com	15.8KB	570ms					
cropped-Hd-of-logo-1-32x...	200	hyphadiscovery.com	1.06KB	6ms					
100 Requests		12.7MB (16.8MB Uncompressed)		3.7s (Onload 3.1s)					



Performance Metrics

<p>First Contentful Paint</p> <p>How quickly content like text or images are painted onto your page. A good user experience is 0.9s or less.</p>	<p>Good - Nothing to do here</p> <p>697ms</p>	<p>Time to Interactive</p> <p>How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.</p>	<p>Longer than recommended</p> <p>3.6s</p>
<p>Speed Index</p> <p>How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.</p>	<p>OK, but consider improvement</p> <p>1.6s</p>	<p>Total Blocking Time</p> <p>How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.</p>	<p>Much longer than recommended</p> <p>737ms</p>
<p>Largest Contentful Paint</p> <p>How long it takes for the largest element of content (e.g. a hero image) to be painted on your page. A good user experience is 1.2s or less.</p>	<p>OK, but consider improvement</p> <p>1.3s</p>	<p>Cumulative Layout Shift</p> <p>How much your page's layout shifts as it loads. A good user experience is a score of 0.1 or less.</p>	<p>Good - Nothing to do here</p> <p>0</p>

Browser Timings

Redirect	0ms	Connect	35ms	Backend	19ms
TTFB	54ms	First Paint	698ms	DOM Int.	1.5s
DOM Loaded	1.6s	Onload	3.1s	Fully Loaded	3.7s

IMPACT AUDIT

Low

Eliminate render-blocking resources FCP LCP

Potential savings of 127ms

Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles.

Resources that **may** be contributing to render-blocking include:

URL	TRANSFER SIZE	DOWNLOAD TIME
https://fonts.googleapis.com/css2?family=Roboto&display=swap	0.99KB	783ms
https://www.hyphadiscovery.com/wp-content/plugins/formidable/css/formidableforms.css?ver=10111201	18.6KB	154ms
https://www.hyphadiscovery.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	14.8KB	309ms
https://fonts.googleapis.com/css?family=Open+Sans%3A300%2C400%2C700&ver=1.0	1.72KB	154ms
https://www.hyphadiscovery.com/wp-content/themes/hypha_discovery/style.css?ver=1.0	17.6KB	309ms
https://www.hyphadiscovery.com/wp-content/plugins/elementor/assets/css/frontend.min.css?ver=3.13.4	17.5KB	463ms
https://www.hyphadiscovery.com/wp-content/plugins/elementor-pro/assets/css/frontend.min.css?ver=3.13.2	41.5KB	309ms
https://www.hyphadiscovery.com/wp-content/uploads/elementor/css/global.css?ver=1685457491	3.08KB	154ms
https://www.hyphadiscovery.com/wp-content/plugins/elementor/assets/lib/font-awesome/css/fontawesome.min.css?ver=5.15.3	12.5KB	154ms
https://www.hyphadiscovery.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	30.2KB	309ms
https://www.hyphadiscovery.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1	4.98KB	154ms
https://www.hyphadiscovery.com/wp-content/themes/hypha_discovery/assets/js/scripts.min.js?ver=1.0.0	64.2KB	617ms

Low

Reduce JavaScript execution time TBT

1.5s spent executing JavaScript

Consider reducing the time spent parsing, compiling, and executing JS. You may find delivering smaller JS payloads helps with this.

URL	TOTAL CPU TIME	SCRIPT EVALUATION	SCRIPT PARSE
https://www.hyphadiscovery.com/	859ms	89ms	4ms
Unattributable	717ms	6ms	0ms
https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VgKa8GbTSw/recaptcha_en.js	557ms	478ms	9ms
https://www.hyphadiscovery.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	432ms	361ms	1ms
https://consent.cookiebot.com/uc.js	301ms	129ms	3ms
https://www.googletagmanager.com/gtag/js?id=G-TB38CZCN2S&l=dataLayer&cx=c	127ms	116ms	10ms
https://www.hyphadiscovery.com/wp-content/plugins/elementor/assets/lib/swiper/swiper.min.js?ver=5.3.6	109ms	66ms	2ms
https://www.hyphadiscovery.com/wp-content/plugins/wp-smushit/app/assets/js/smush-lazy-load.min.js?ver=3.14.2	86ms	23ms	0ms
https://www.googletagmanager.com/gtm.js?id=GTM-WCNKB4P	82ms	58ms	6ms
https://www.hyphadiscovery.com/wp-content/themes/hypha_discovery/assets/js/scripts.min.js?ver=1.0.0	72ms	28ms	4ms
https://www.hyphadiscovery.com/wp-content/plugins/elementor/assets/js/text-editor.2c35aafbe5bf0e127950.bundle.min.js	56ms	56ms	0ms

Low

Use passive listeners to improve scrolling performance

1 event listener not passive

Consider marking your touch and wheel event listeners as `passive` to improve your page's scroll performance.

URL	LOCATION
<ul style="list-style-type: none"> https://consent.cookiebot.com/fe540166-f7cf-4e36-be6a-d6dcfc3c4295/cc.js?renew=false&referer=www.hyphadiscovery.com&dt=false&init=false 	Line:1

Low **Serve static assets with an efficient cache policy** Potential savings of 31.7KB

A long cache lifetime can speed up repeat visits to your page.

URL	CACHE TTL	TRANSFER SIZE
https://consent.cookiebot.com/uc.js	10 minutes	33.8KB
https://imgscf.cookiebot.com/1.gif?dgi=fe540166-f7cf-4e36-be6a-d6dcfc3c4295	30 minutes	737B
https://www.gstatic.com/recaptcha/api2/logo_48.png	7 days	2.31KB

Low **Properly size images** Potential savings of 912KB

Serve images that are appropriately-sized to save cellular data and improve load time.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://www.hyphadiscovery.com/wp-content/uploads/2024/02/Senior-Purification-Chemist-job-1536x929.png	442KB	421KB
https://www.hyphadiscovery.com/wp-content/uploads/2024/01/Q4-2023-newsletter-thumbnail-1536x865.png	317KB	300KB
https://www.hyphadiscovery.com/wp-content/uploads/2021/07/Hypha-15-PC-cropped-2-1.jpg	164KB	109KB
https://www.hyphadiscovery.com/wp-content/uploads/2023/05/lvermectin-metabolites-post-1536x808.png	73.7KB	69.2KB
https://www.hyphadiscovery.com/wp-content/uploads/2021/07/hp-circle-bg.png	482KB	12.8KB

Low **Ensure text remains visible during webfont load** FCP LCP 8 fonts found

Leverage the `font-display` CSS feature to ensure text is user-visible while webfonts are loading.

URL	POTENTIAL SAVINGS
https://fonts.gstatic.com/s/opensans/v40/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2QVTS-muw.woff2	76ms
https://fonts.gstatic.com/s/roboto/v30/KFOlCnqEu92Fr1MmWUlfBBc4.woff2	12ms
https://fonts.gstatic.com/s/roboto/v30/KFOlCnqEu92Fr1MmEU9fBBc4.woff2	9ms
https://fonts.gstatic.com/s/roboto/v30/KFOmCnqEu92Fr1Mu4mxK.woff2	10ms
https://www.hyphadiscovery.com/wp-content/themes/hypha_discovery/assets/scss/vendor/fontawesome/webfonts/fa-brands-400.woff2	10ms
https://fonts.gstatic.com/s/roboto/v30/KFOlCnqEu92Fr1MmSU5fBBc4.woff2	12ms
https://fonts.gstatic.com/s/roboto/v30/KFOjCnqEu92Fr1Mu51TjAAsc6CsQ.woff2	21ms
https://www.hyphadiscovery.com/wp-content/plugins/elementor/assets/lib/eicons/fonts/eicons.woff2?5.20.0	28ms

Low **Reduce unused CSS** FCP LCP Potential savings of 118KB

Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://www.hyphadiscovery.com/wp-content/plugins/elementor-pro/assets/css/frontend.min.css?ver=3.13.2	41.5KB	41.0KB
https://www.hyphadiscovery.com/wp-content/plugins/formidable/css/formidableforms.css?ver=10111201	18.6KB	17.1KB
https://www.hyphadiscovery.com/wp-content/plugins/elementor/assets/css/frontend.min.css?ver=3.13.4	17.5KB	16.4KB
https://www.hyphadiscovery.com/wp-content/themes/hypha_discovery/style.css?ver=1.0	17.6KB	16.3KB
https://www.hyphadiscovery.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	14.8KB	14.7KB
https://www.hyphadiscovery.com/wp-content/plugins/elementor/assets/lib/font-awesome/css/fontawesome.min.css?ver=5.15.3	12.5KB	12.4KB

Low

Serve images in next-gen formats

Potential savings of 1.21MB

Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster downloads and less data consumption.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://www.hyphadiscovery.com/wp-content/uploads/2021/07/hp-circle-bg.png	482KB	444KB
https://www.hyphadiscovery.com/wp-content/uploads/2024/02/Senior-Purification-Chemist-job-1536x929.png	442KB	332KB
https://www.hyphadiscovery.com/wp-content/uploads/2024/01/Q4-2023-newsletter-thumbnail-1536x865.png	317KB	227KB
https://www.hyphadiscovery.com/wp-content/uploads/2021/07/Hypha-15-PC-cropped-2-1.jpg	164KB	76.5KB
https://www.hyphadiscovery.com/wp-content/uploads/2021/08/Map.png	84.2KB	37.0KB
https://www.hyphadiscovery.com/wp-content/uploads/2021/06/shutterstock_141647104-fractal-lightning-1.jpg	136KB	36.7KB
https://www.hyphadiscovery.com/wp-content/uploads/2021/08/Hyphadiscovery-HP-mobile-banner.jpg	67.5KB	33.2KB
https://www.hyphadiscovery.com/wp-content/uploads/2021/08/Hypha-5-recombinant-enzymes-page-scaled-1.jpg	68.7KB	22.1KB
https://www.hyphadiscovery.com/wp-content/uploads/2021/04/shutterstock_530971462.jpg	54.9KB	16.2KB
https://www.hyphadiscovery.com/wp-content/uploads/2021/06/Temp-Image-1.jpg	22.7KB	9.9KB

Low

Defer offscreen images

Potential savings of 1.03MB

Consider lazy-loading offscreen and hidden images after all critical resources have finished loading to lower time to interactive.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://www.hyphadiscovery.com/wp-content/uploads/2024/02/Senior-Purification-Chemist-job-1536x929.png	442KB	442KB
https://www.hyphadiscovery.com/wp-content/uploads/2024/01/Q4-2023-newsletter-thumbnail-1536x865.png	317KB	317KB
https://www.hyphadiscovery.com/wp-content/uploads/2021/06/shutterstock_141647104-fractal-lightning-1.jpg	136KB	136KB
https://www.hyphadiscovery.com/wp-content/uploads/2023/05/livermeclin-metabolites-post-1536x808.png	73.7KB	73.7KB
https://www.hyphadiscovery.com/wp-content/uploads/2021/04/shutterstock_530971462.jpg	54.9KB	54.9KB
https://www.hyphadiscovery.com/wp-content/uploads/2021/06/Temp-Image-1.jpg	22.7KB	22.7KB
https://www.hyphadiscovery.com/wp-content/uploads/2021/04/Logo-Emblem.svg	5.94KB	5.94KB

Low

Minify CSS FCP LCP

Potential savings of 4.04KB

Minifying CSS files can reduce network payload sizes.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
• https://www.hyphadiscovery.com/wp-content/themes/hypha_discovery/style.css?ver=1.0	17.6KB	4.04KB

Low

Avoid non-composited animations CLS

5 animated elements found

Animations which are not composited can be janky and increase CLS.

ELEMENT

NAME

div.elementor-template > div.elementor > section.elementor-section > div.elementor-background-overlay

```
<div class="elementor-background-overlay">
```

Unsupported CSS Property: background-position-x

background-position-x

Unsupported CSS Property: background-position-y

background-position-y

Linkedin-in

```
<a class="elementor-icon elementor-social-icon elementor-social-icon-linkedin-in ele..." href="https://www.linkedin.com/company/hypha-discovery-ltd" target="_blank">
```

Unsupported CSS Property: background-color

background-color

Unsupported CSS Property: width

width

Unsupported CSS Property: word-spacing

word-spacing

Unsupported CSS Property: font-size

font-size

Unsupported CSS Property: line-height

line-height

Unsupported CSS Property: border-top-left-radius

border-top-left-radius

Unsupported CSS Property: border-top-right-radius

border-top-right-radius

Unsupported CSS Property: border-bottom-left-radius

border-bottom-left-radius

Unsupported CSS Property: border-bottom-right-radius

border-bottom-right-radius

Unsupported CSS Property: height

height

Twitter

```
<a class="elementor-icon elementor-social-icon elementor-social-icon-twitter element..." href="https://twitter.com/hyphad?lang=en" target="_blank">
```

Unsupported CSS Property: background-color

background-color

Unsupported CSS Property: width

width

Unsupported CSS Property: word-spacing

word-spacing

Unsupported CSS Property: font-size

font-size

Unsupported CSS Property: line-height

line-height

Unsupported CSS Property: border-top-left-radius

border-top-left-radius

Unsupported CSS Property: border-top-right-radius

border-top-right-radius

Unsupported CSS Property: border-bottom-left-radius

border-bottom-left-radius

Unsupported CSS Property: border-bottom-right-radius

border-bottom-right-radius

Unsupported CSS Property: height

height

Cookie Policy | Privacy Policy | Website Terms and Conditions © Hypha Discovery...

```
<div class="elementor-widget-wrap elementor-element-populated">
```

Unsupported CSS Property: border-top-width

border-top-width

Unsupported CSS Property: border-bottom-color

border-bottom-color

Unsupported CSS Property: border-left-color

border-left-color

Unsupported CSS Property: border-right-color

border-right-color

ELEMENT

NAME

Unsupported CSS Property: border-top-color

border-top-color

Hypha Discovery is a UK-based CRO supporting pharmaceutical and agrochemical co...

```
<section class="elementor-section elementor-top-section elementor-element elementor-elemen..." data-id="1562eff5" data-element_type="section" data-settings="{&quot;stretch_section&quot;:&quot;section-stretched&quot;,&quot;background_background&quot;:&quot;classic&quot;}" style="width: 1366px; left: -83px;">
```

Unsupported CSS Property: background-color

background-color

Low **Minify JavaScript** FCP LCP Potential savings of 13.5KB

Minifying JavaScript files can reduce payload sizes and script parse time.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
• https://www.hyphadiscovery.com/wp-content/themes/hypha_discovery/assets/js/scripts.min.js?ver=1.0.0	64.2KB	13.5KB

Low **Avoid chaining critical requests** FCP LCP 52 chains found

The Critical Request Chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load.

Maximum critical path latency: 1.2s

INITIAL NAVIGATION



- <https://www.hyphadiscovery.com/wp-content/plugins/elementor/assets/lib/waypoints/waypoints.min.js?ver=4.0.2> 3.16KB, 70ms
- <https://www.hyphadiscovery.com/wp-includes/js/dist/vendor/regenerator-runtime.min.js?ver=0.14.0> 2.66KB, 60ms
- <https://www.hyphadiscovery.com/wp-content/uploads/elementor/css/post-56.css?ver=1685457509> 692B, 47ms
- <https://www.hyphadiscovery.com/wp-content/uploads/elementor/css/post-3250.css?ver=1685457997> 2.16KB, 11ms
- <https://www.hyphadiscovery.com/wp-content/uploads/elementor/css/post-8238.css?ver=1624957186> 557B, 65ms
- <https://www.hyphadiscovery.com/wp-content/uploads/elementor/css/global.css?ver=1685457491> 3.08KB, 59ms
- <https://www.hyphadiscovery.com/wp-content/plugins/elementor/assets/js/frontend.min.js?ver=3.13.4> 12.2KB, 70ms
- <https://www.hyphadiscovery.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1> 4.98KB, 84ms
- <https://www.hyphadiscovery.com/wp-content/plugins/formidable/css/formidableforms.css?ver=10111201> 18.6KB, 25ms
- <https://www.hyphadiscovery.com/wp-content/plugins/dynamicconditions/Public/js/dynamic-conditions-public.js?ver=1.6.2> 921B, 44ms
- <https://www.hyphadiscovery.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3> 14.8KB, 25ms
- <https://www.hyphadiscovery.com/wp-content/uploads/elementor/css/post-5.css?ver=1708693687> 4.66KB, 60ms
- <https://www.hyphadiscovery.com/wp-includes/js/dist/hooks.min.js?ver=c6aec9a8d4e5a5d543a1> 1.75KB, 83ms
- <https://www.hyphadiscovery.com/wp-content/plugins/elementor/assets/lib/swiper/css/swiper.min.css?ver=5.3.6> 2.56KB, 30ms
- <https://www.hyphadiscovery.com/wp-includes/js/jquery/ui/core.min.js?ver=1.13.2> 7.17KB, 71ms
- <https://www.hyphadiscovery.com/wp-content/plugins/formidable-pro/js/frm.min.js?ver=6.5.2> 84.8KB, 99ms
- <https://www.hyphadiscovery.com/wp-content/plugins/ele-custom-skin/assets/css/ecs-style.css?ver=3.1.7> 2.00KB, 62ms
- <https://www.hyphadiscovery.com/wp-content/plugins/elementor/assets/lib/font-awesome/css/fontawesome.min.css?ver=5.15.3> 12.5KB, 76ms
- <https://www.hyphadiscovery.com/wp-content/plugins/elementor/assets/lib/eicons/css/elementor-icons.min.css?ver=5.20.0> 4.11KB, 27ms
- <https://www.hyphadiscovery.com/wp-content/plugins/elementor/assets/lib/eicons/fonts/eicons.woff2?5.20.0> 92.3KB, 28ms
- <https://www.hyphadiscovery.com/wp-content/plugins/elementor/assets/lib/font-awesome/css/solid.min.css?ver=5.15.3> 511B, 76ms
- <https://www.hyphadiscovery.com/wp-content/plugins/elementor/assets/lib/font-awesome/webfonts/fa-solid-900.woff2> 76.6KB, 22ms
- <https://www.hyphadiscovery.com/wp-content/plugins/elementor/assets/lib/font-awesome/css/brands.min.css?ver=5.15.3> 510B, 43ms
- <https://www.hyphadiscovery.com/wp-content/plugins/elementor/assets/lib/font-awesome/webfonts/fa-brands-400.woff2> 75.2KB, 15ms
- <https://fonts.googleapis.com/css2?family=Roboto&display=swap> 0.99KB, 136ms
- <https://fonts.gstatic.com/s/roboto/v30/KFOmCnqEu92Fr1Mu4mxK.woff2> 15.5KB, 10ms
- <https://fonts.googleapis.com/css?family=Open+Sans%3A300%2C400%2C700&ver=1.0> 1.72KB, 136ms
- <https://fonts.gstatic.com/s/opensans/v40/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2QVTS-muw.woff2> 47.6KB, 76ms
- <https://www.hyphadiscovery.com/wp-content/plugins/elementor/assets/lib/font-awesome/css/regular.min.css?ver=5.15.3> 510B, 76ms
- <https://www.hyphadiscovery.com/wp-content/plugins/elementor/assets/lib/font-awesome/webfonts/fa-regular-400.woff2> 13.2KB, 12ms
- https://www.hyphadiscovery.com/wp-content/themes/hypha_discovery/style.css?ver=1.0 17.6KB, 32ms
- https://www.hyphadiscovery.com/wp-content/themes/hypha_discovery/assets/scss/vendor/fontawesome/webfonts/fa-brands-400.woff2 62.2KB, 10ms
- <https://fonts.googleapis.com/css?family=Roboto%3A100%2C100italic%2C200%2C200italic%2C300%2C300italic%2C400%2C400italic%2C500%2C500italic%2C600%2C600italic%2C700%2C700italic%2C800%> 1.66KB, 127ms
- <https://fonts.gstatic.com/s/roboto/v30/KFOjCnqEu92Fr1Mu51TjASc6CsQ.woff2> 17.1KB, 21ms
- <https://fonts.gstatic.com/s/roboto/v30/KFOiCnqEu92Fr1MmSU5fBbc4.woff2> 15.4KB, 12ms
- <https://fonts.gstatic.com/s/roboto/v30/KFOiCnqEu92Fr1MmWUlfBbc4.woff2> 15.6KB, 12ms
- <https://fonts.gstatic.com/s/roboto/v30/KFOiCnqEu92Fr1MmEU9fBbc4.woff2> 15.7KB, 9ms

Low

Reduce unused JavaScript LCP

Potential savings of 390KB

Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VqKa8GbTSw/recaptcha_en.js	199KB	108KB
https://www.hyphadiscovery.com/wp-content/plugins/formidable-pro/js/frm.min.js?ver=6.5.2	84.8KB	67.5KB
https://www.googletagmanager.com/gtm.js?id=GTM-WCNKB4P	91.8KB	46.3KB
https://www.hyphadiscovery.com/wp-content/themes/hypha_discovery/assets/js/scripts.min.js?ver=1.0.0	64.2KB	45.6KB
https://www.googletagmanager.com/gtag/js?id=G-TB38CZCN2S&ldataLayer&cx=c	96.8KB	42.1KB
https://www.googletagmanager.com/gtag/js?id=AW-1005401821	76.8KB	35.6KB
https://consent.cookiebot.com/fe540166-f7cf-4e36-be6a-d6dcfc3c4295/cc.js?renew=false&referer=www.hyphadiscovery.com&dnt=false&init=false	81.4KB	23.0KB
https://consent.cookiebot.com/uc.js	33.8KB	22.0KB

N/A **Largest Contentful Paint element** LCP

1,280 ms

This is the largest contentful element painted within the viewport.

ELEMENT

Hypha Discovery: Experts in Metabolite Synthesis Purification Structure elucid...

```
<section class="elementor-section elementor-top-section elementor-element elementor-elemen..." data-id="7b3a774" data-element_type="section" data-settings="{&quot;background_background&quot;:&quot;video&quot;;,&quot;background_video_link&quot;:&quot;\/wp-content\/up..."}>
```

PHASE	% OF LCP	TIMING
TTFB	4%	56ms
Load Delay	35%	452ms
Load Time	4%	55ms
Render Delay	56%	711ms

N/A **Reduce initial server response time** FCP LCP

Root document took 18ms

Keep the server response time for the main document short because all other requests depend on it.

URL	TIME SPENT
• https://www.hyphadiscovery.com/	18ms

N/A **Avoid serving legacy JavaScript to modern browsers** TBT

Potential savings of 9.00KB

Polyfills and transforms enable legacy browsers to use new JavaScript features. However, many aren't necessary for modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using module/nomodule feature detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy browsers.

URL	POTENTIAL SAVINGS
https://www.hyphadiscovery.com/wp-content/plugins/formidable-pro/js/frm.min.js?ver=6.5.2	8.94KB
Line:41 Column:425	<code>Array.prototype.filter</code>
Line:326 Column:38094	<code>Array.prototype.map</code>
Line:326 Column:39801	<code>Object.getPrototypeOf</code>
Line:326 Column:67874	<code>@babel/plugin-transform-classes</code>
https://www.hyphadiscovery.com/wp-includes/js/dist/vendor/wp-polyfill-inert.min.js?ver=3.1.2	55B
Line:0 Column:452	<code>@babel/plugin-transform-classes</code>

N/A **Avoid large layout shifts** CLS 4 elements found

These DOM elements contribute most to the CLS of the page.

ELEMENT	CLS CONTRIBUTION
What We Do Products Our Metabolite Expertise Why Choose Us About Us R... 	0.00
mail@hyphadiscovery.com Search <div class="top-nav">	0.00
What We Do Products Our Metabolite Expertise Why Choose Us About Us R... <div class="header__wrap">	0.00
Logo <div class="logo">	0.00

N/A **Minimize main-thread work** TBT Main-thread busy for 3.6s

Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps with this.

CATEGORY	TIME SPENT
Script Evaluation	1.6s
Other	1.1s
Style & Layout	649ms
Parse HTML & CSS	104ms
Script Parsing & Compilation	79ms
Rendering	64ms
Garbage Collection	51ms

N/A **Reduce the impact of third-party code** TBT Third-party code blocked the main thread for 198ms

Third-party code can significantly impact load performance. Limit the number of redundant third-party providers and try to load third-party code after your page has primarily finished loading.

THIRD-PARTY	TRANSFER SIZE	MAIN-THREAD BLOCKING TIME
GOOGLE CDN	425KB	112ms
• https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VqKa8GbTSw/recaptcha_en.js	399KB	112ms
• https://www.gstatic.com/recaptcha/releases/07g0mpPGukTo20VqKa8GbTSw/styles_ltr.css	24.1KB	0ms
COOKIEBOT	117KB	54ms
• https://consent.cookiebot.com/uc.js	33.8KB	54ms
• https://consent.cookiebot.com/fe540166-f7cf-4e36-be6a-d6dcfc3c4295/cc.js?renew=false&referrer=www.hyphadiscovery.com&dnt=false&init=false	81.4KB	0ms
GOOGLE TAG MANAGER	265KB	31ms
• https://www.googletagmanager.com/gtag/js?id=G-TB38CZCN2S&l=dataLayer&cx=c	96.8KB	31ms
• https://www.googletagmanager.com/gtm.js?id=GTM-WCNKB4P	91.8KB	0ms
• https://www.googletagmanager.com/gtag/js?id=AW-1005401821	76.8KB	0ms
GOOGLE FONTS	162KB	0ms
• https://fonts.gstatic.com/s/opensans/v40/memvYaGs126MiZpBA-UvWbX2vVnXBbObj2OVTS-muw.woff2	47.6KB	0ms
• https://fonts.gstatic.com/s/roboto/v30/KFOjCnqEu92Fr1Mu51TjASc6CsQ.woff2	17.1KB	0ms
• https://fonts.gstatic.com/s/roboto/v30/KFOlCnqEu92Fr1MmEU9fBBc4.woff2	15.7KB	0ms
• https://fonts.gstatic.com/s/roboto/v30/KFOlCnqEu92Fr1MmWUJfBBc4.woff2	15.6KB	0ms
• https://fonts.gstatic.com/s/roboto/v18/KFOmCnqEu92Fr1Mu4mxK.woff2	15.5KB	0ms
• Other resources	50.6KB	0ms
OTHER GOOGLE APIS/SDKS	37.1KB	0ms
• https://www.google.com/recaptcha/api2/anchor?ar=1&k=6LeDDvskAAAAIVFRimpTCHcpZ0MQRyUC2yvEi7W&co=aHR0cHM6Ly93d3cuaHlwaGFkaXNjb3ZlcnkuY29tOjQ0Mw..&hl=en&v=07g0mpPGukTo20VqKa8GbTSw&theme=light&size=invisible&cb=inffq4u8bm9x	28.2KB	0ms
• https://www.google.com/js/bg/aczUY4RjooCOJhduSGOgZlptSUq0MxcgcoTPQeOupCL.js	7.59KB	0ms
GOOGLE/DOUBLECLICK ADS	455B	0ms

N/A

User Timing marks and measures

No user timings and/or marks found.