

PHARMACEUTICAL USES OF L-GLUTATHIONE

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STRATEGIES TO GROW YOUR BUSINESS

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In this case study CPL Business Consultants provided detailed information on the pharmaceutical applications for L-glutathione in North America. CPL used its technical and commercial expertise to produce a concise but insightful report that allowed the client to make an informed strategic decision.

PHARMACEUTICAL USES OF L-GLUTATHIONE

Glutathione is a tripeptide consisting of the amino acids glutamic acid, cysteine and glycine, which is commercially available in two forms: reduced (GSH) and oxidised (GSSG). In its reduced form it is a powerful [antioxidant](#), which in nature protects cells in the body from damage caused by oxidative stress and free radicals. GSH can also potentially be used in a number of pharmaceutical and surgical uses. However, there are also some unauthorised uses of L-glutathione which have an effect on the overall market. The objective was to investigate the supply chain for glutathione and also the regulations surrounding its use.

METHOD

CPL researched the pharmaceutical uses of glutathione in the US and Canada identifying the manufacturers of glutathione-based pharmaceuticals. This included registered drugs, orphan drugs, medical devices and excipients but excluded dietary supplements which were not registered as drugs. The report included an investigation of the markets for L-glutathione and regulations governing its use.

REPORT

The market briefing covered the following topics:

- Glutathione Manufacturers and Suppliers
 - Companies Manufacturing or Trading Glutathione (L-Glutathione)
 - Accreditations of Major L-Glutathione Suppliers
- Companies using Glutathione for Drugs or Medical Devices
 - Suppliers of Glutathione Pharmaceutical Products
 - Unfinished Drugs
 - Sterile Drug Compounders
 - Drugs Manufacturers using Glutathione as an Active Ingredient or Excipient
 - Registered Drugs
 - Orphan Drugs
 - Drugs in Clinical Trials
 - Medical Devices
- Regulatory Environment

ADDITIONAL PROJECTS

CPL Business Consultants has worked on glutathione on a number of other occasions. Other similar projects include an [international trade analysis](#) and, [markets and applications of GSH and GSSH](#). *Have a look at our [PowerPoint Introduction](#) and Brochure describing deliverables, differentiators and case studies. You can also review [eight case studies](#).*