

Equols Market, Global Outlook and Forecast 2022-2028

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Abstracts

Equol, a metabolite of soybeans, is an important isoflavone in humans?specifically binds to 5?-DHT, has a modest affinity for recombinant estrogen receptor ER?. Equol is a metabolite produced from the soy phytoestrogen daidzein by the action of gut microflora. Equol has higher affinity for both ERs (estrogen receptors including ERalpha and ERbeta). Equol exists as the enantiomers R-equol and S-equol. S-equol has a high binding affinity, preferential for ERbeta with a K_i of 16 nM whereas R-equol binds more weakly and with a preference for ERalpha with a K_i of 50 nM. Equol is superior to all other isoflavones in its antioxidant activity. Equol has antioestrogenic properties. Equol is a 100-fold more potent than daidzein in stimulating an oestrogenic response. Equol is also more effective than daidzein in competing with 3 H-oestradiol for binding to the ER. Equol stimulates the growth of MCF-7 cells in a concentration-dependent manner. Although equol exhibits oestrogenic activity, exposure of MCF-7 cells to equol simultaneously with oestradiol is effective in reducing pS2 mRNA expression. Equol results in the downregulation of ER mRNA expression.

This report contains market size and forecasts of Equols in global, including the following market information:

Global Equols Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Equols Market Sales, 2017-2022, 2023-2028, (MT)

Global top five Equols companies in 2021 (%)

The global Equols market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

(S)-equol Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Equols include Tocris Bioscience, Cayman Chemical, Selleck Chemicals, Merck, Santa Cruz Biotechnology, Inc., Dr Tobias and Otsuka, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Equols manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Equols Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (MT)

Global Equols Market Segment Percentages, by Type, 2021 (%)

(S)-equol

(R)-equol

Global Equols Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (MT)

Global Equols Market Segment Percentages, by Application, 2021 (%)

Producing Bacteria

Anti-aging supplements

Skin Health

Other

Global Equols Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (MT)

Global Equols Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Equols revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Equols revenues share in global market, 2021 (%)

Key companies Equols sales in global market, 2017-2022 (Estimated), (MT)

Key companies Equols sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Tocris Bioscience

Cayman Chemical

Selleck Chemicals

Merck

Santa Cruz Biotechnology, Inc.

Dr Tobias

Otsuka

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