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2,5-Furandicarboxylic acid (CAS 3238-40-2) Market Research Report 2025

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Abstracts

2,5-Furandicarboxylic acid (CAS 3238-40-2) Market Research Report 2025 presents comprehensive data on 2,5-Furandicarboxylic acid markets globally and regionally (Europe, Asia, North America etc.)

The report includes 2,5-Furandicarboxylic acid description, covers its application areas and related patterns. It overviews 2,5-Furandicarboxylic acid market, names 2,5-Furandicarboxylic acid producers and indicates its suppliers.

Besides, the report provides 2,5-Furandicarboxylic acid prices in regional markets.

In addition to the above the report determines 2,5-Furandicarboxylic acid consumers in the market.

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2,5-Furandicarboxylic acid (CAS 3238-40-2) Market Research Report 2025 can feature:

market condition and estimations, market forecast

chemical product ranges, trademarks, analogous products, application areas

regional and global producers, consumers and traders (including contact details).

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About

Product Name:	2,5-Furandicarboxylic acid
Synonyms:	
	Furane-.alpha.,.alpha.-dicarboxylic acid
	2,5-Furandicarboxylic acid
CAS#:	3238-40-2
Formula:	$C_6H_4O_5$
Molecular Weight:	156.09

2,5-Furandicarboxylic acid (FDCA), also known as dehydromucic acid, is an oxidized furan derivative with the formula $C_6H_4O_5$. It is insoluble in most of common solvents (it is soluble exclusively in DMSO) and has a melting point of 342 ?°C. FDCA can generally be synthesized by four methods: acid-promoted triple dehydration of aldaric (mucic) acids; oxidation of various 2,5-disubstituted furans using inorganic oxidants; catalytic conversions of various furan derivatives; and biological conversion of HMF.

This organic compound was first obtained in 1876, when Fittig and Heinzelmann synthesized it from mucic acid utilizing concentrated hydrobromic acid. A quarter of a century later, Henry Hill published the first review. FDCA can be found in human urine and in blood plasma.

Despite its chemical stability, FDCA enters into reactions which are common to carboxylic acids ??“ halogen substitution to give carboxylic dihalides, di-ester formation and the formation of amides, the synthesis of 2,5-furandicarboxylic dichloride by the reaction of FDCA with thionyl chloride, and more. The versatility of FDCA is also seen in a range of derivatives available via relatively simple chemical transformations.

2,5-Furandicarboxylic acid market is covered in the study 2,5-Furandicarboxylic acid (CAS 3238-40-2) Market Research Report 2025. The report encompasses proper description of the product, unveils application areas, and briefly summarizes patents in the sphere. It overlooks 2,5-furandicarboxylic acid market situation, names manufacturers, suppliers as well as users. The report also provides current 2,5-furandicarboxylic acid prices in the market.

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