Creative Enzymes®

Methylcellulose

Cat. No. EXTZ-760

Lot. No. (See product label)

Introduction

Description	Methylcellulose is a cellulose derivative synthesized by substituting the hydroxyl groups of cellulose with methyl groups. This modification imparts unique properties to the cellulose polymer, enabling it to dissolve in cold water and form clear, viscous solutions. This solubility is thermally reversible; upon heating, the solution may gel or precipitate depending on concentration. In the food industry, methylcellulose functions as a thickener, stabilizer, and emulsifier. It is widely used in the production of sauces, desserts, and other food products to improve texture and stability. In pharmaceuticals, methylcellulose is employed in formulating tablets, capsules, and other drug delivery systems, where it controls the release of active ingredients and enhances formulation stability. It is also found in certain personal care products, such as shampoos and toothpastes, to achieve desired consistency and texture.

Product Information

Form	Powder
CAS No.	9004-67-5
Molecular Formula	C20H38O11