

D-Lactide (MG)

D-lactide (MG) has high purity and is the main raw material for the preparation of medical polylactic acid. It is also an optional raw material for some pharmaceutical intermediates.

Description

Name	D-lactide
Molecular formula	$C_6H_8O_4$
Molecular weight	144.13
CAS number	13076-17-0

Specification

Properties	D-Lactide (MG)	Method
Appearance	White platelets or powder	
Melting range, °C	90~100	DSC
Assay, %	99	GC
Water content, %	≤ 0.02	Karl Fischer
Free acid, %	≤ 0.01	Titration
Optical purity, % $D/(L+D) \times 100$	≥ 99.5	HPLC

Packing

Aluminum bottle, net weight 1kg/bottle, or compound foil bag, 5kg/bag.

Storage and transportation

Sealed in a cool dry place, temperature $\leq 20^\circ\text{C}$, relative humidity $\leq 60\%$.

