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Product Datasheet

2-Deoxy-D-Glucose, CAS [[154-17-6]] FBM-10-2171

Artikelname	2-Deoxy-D-Glucose, CAS [[154-17-6]]
Artikelnummer	FBM-10-2171
Hersteller Artikelnummer	10-2171
Alternativnummer	FBM-10-2171-1G,FBM-10-2171-5G
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Biologically active glucose analog...
Molekulargewicht	164.16
Reinheit	98%
Formulierung	White solid
CAS Nummer	[154-17-6]
Formel	C ₆ H ₁₂ O ₅
Anwendungsbeschreibung	2-Deoxy-D-glucose (2-DG) is a synthetic glucose analog with extensive biological effects. It is commonly thought of as an inhibitor of glycolysis, but its metabolic effects are wide-ranging. 2-DG competitively inhibits glucose uptake via its metabolite 2-Deoxy-D-glucose-6-phosphate, which inhibits hexokinase and phosphoglucose-isomerase leading to decreased ATP production, cell cycle blockage, decreased cell growth and ultimately cell death. ^{1,2}