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Product Datasheet

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

Article Name	2-Deoxy-D-Glucose, CAS [[154-17-6]]
Biozol Catalog Number	FBM-10-2171
Supplier Catalog Number	10-2171
Alternative Catalog Number	FBM-10-2171-1G,FBM-10-2171-5G
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Biologically active glucose analog...
Molecular Weight	164.16
Purity	98%
Form	White solid
CAS Number	[154-17-6]
Formula	C ₆ H ₁₂ O ₅
Application Notes	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}