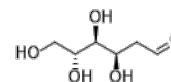


Product Name : 2-Deoxy-D-glucose
Cat. No. : PC-25406
CAS No. : 154-17-6
Molecular Formula : C₆H₁₂O₅
Molecular Weight : 164.16
Target : Hexokinase
Solubility : 10 mM in DMSO



Biological Activity

2-Deoxy-D-glucose (2-DG, 2-Deoxyglucose) is a glucose analog that acts as a competitive inhibitor of glucose metabolism, inhibiting glycolysis via its actions on hexokinase.

References

Zhu Z, et al. Cancer Res. 2005 Aug 1;65(15):7023-30.

Miwa H, et al. Leukemia cells demonstrate a different metabolic perturbation provoked by 2-deoxyglucose. Oncol Rep. 2013 May;29(5):2053-7.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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