Data Sheet (Cat.No.T76207)

TargetMol

Glucose dehydrogenase

Chemical Properties

CAS No. : 9028-53-9

Formula:

Molecular Weight:

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Glucose dehydrogenase (GDH) is an oxidoreductase enzyme that facilitates the oxidation of β-D-glucose into β-D-glucono-1,5-lactone, while concurrently reducing cofactor NADP+ to NADPH, and to a lesser degree, NAD+ to NADH. It can utilize both NAD+ and NADP+ as cofactors and serves in the regeneration of NADH and NADPH [1] [2].
Targets(IC50)	Endogenous Metabolite,Dehydrogenase

Reference

Weckbecker, A., et al. Glucose Dehydrogenase for the Regeneration of NADPH and NADH. Microbial Enzymes and Biotransformations, 2005, 225-238.
Ferri S, et al. Review of glucose oxidases and glucose dehydrogenases: a bird's eye view of glucose sensing enzymes. J Diabetes Sci Technol. 2011 Sep 1;5(5):1068-76.

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