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## Product Datasheet

### Thymidine, CAS [[50-89-5]] BYT-ORB1296048

Article Name	Thymidine, CAS [[50-89-5]]
Biozol Catalog Number	BYT-ORB1296048
Supplier Catalog Number	orb1296048
Alternative Catalog Number	BYT-ORB1296048-1, BYT-ORB1296048-500
Manufacturer	Biorbyt
Category	Biochemikalien
Product Description	Thymidine (DThyd) is a nucleoside used to synchronize cell populations by reversibly inhibiting DNA synthesis, inducing G1/S phase arrest. It serves as a specific DNA precursor in research applications, including studies of cell cycle dynamics, DNA r...
Molecular Weight	242.23
Purity	99.95% (May vary between batches)
CAS Number	[50-89-5]
Formula	C10H14N2O5
Target	Virus Protease,Endogenous Metabolite,DNA/RNA Synthesis
Application Notes	Solubility: Pyridine, Methanol, etc.:Soluble,DMSO:245 mg/mL (1011.44 mM),5% DMSO+95% Saline:2.63 mg/mL (10.86 mM),10% DMSO+90% Saline:5 mg/mL (20.64 mM),Saline:25 mg/mL (103.21 mM),Ethanol:< 1 mg/mL (insoluble)